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UNITED STATES DEPARTMENT OF AGRICULTURE
MISCELLANEOUS PUBLICATION No. 233

List of Technical Workers in the Department of Agriculture and Outline of Department Functions

1935

UNITED STATES DEPARTMENT OF AGRICULTURE

MISCELLANEOUS PUBLICATION No. 233

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List of Technical Workers in the Department of Agriculture and Outline of Department Functions

1935

COMPILED IN THE OFFICE OF

PERSONNEL AND BUSINESS ADMINISTRATION

UNITED STATES

GOVERNMENT PRINTING OFFICE

WASHINGTON : 1936

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KEY TO ABBREVIATIONS

Note.—The asterisk (*) following names of women employees in List of Workers is used to denote "Mrs."

Abstr., Abstractor.
Acct., Accounts, Accountant.
Activ., Activities.
Admin., Administration, Administrative, Administrator.
Agr., Agricultural, Agriculturist.
Agron., Agronomist.
Agt., Agent.
An., Animal.
Apicult., Apicultural, Apiculturist.
Arbor., Arboriculture, Arboriculturist.
Archt., Architect, Architectural, Architecture.
Assoc., Associate, Association.
Asst., Assistant.
Atty., Attorney.
Aud., Auditor, Auditing.
Bact., Bacteriology, Bacteriological, Bacteriologist.
Bibl., Bibliography, Bibliographical, Bibliographer.
Biochem., Biochemical, Biochemist.
Biol., Biological, Biologist.
Biophys., Biophysical, Biophysicist.
Bot., Botany, Botanical, Botanist.
Bur., Bureau.
Bus., Business.
Chem., Chemistry, Chemical, Chemist.
Co., County.
Coll., College.
Collab., Collaborator.
Comn., Commission.
Compt., Comptroller.
Comr., Commissioner.
Conserv., Conservation.
Const., Construction.
Consult., Consulting, Consultant.
Coop., Cooperation, Cooperative, Cooperator.
Coun., Counsel.
Cytol., Cytological, Cytologist.
Dem., Demonstration.
Dendrol., Dendrologist.
Dep., Deputy.
Dept., Department.
Dir., Director.
Dist., District.
Div., Division.
Drain., Drainage.
Drft., Draftsman.
Ecol., Ecologist.
Econ., Economic, Economics, Economist.
Ed., Editorial, Editor.
Educ., Education.
Engin., Engineer, Engineering.
Ent., Entomology, Entomological, Entomologist.
Equip., Equipment.
Erad., Eradication.
Est., Estimator.
Exam., Examiner.
Exec., Executive.
Expt., Experiment(s), Experimental, Experimentalist.
Expl., Explorer.
Ext., Extension.
Fert., Fertilizers, Fertility.
For., Forest, Forestry, Forester.
Forecr., Forecaster.
Gen., General.
Geol., Geologist, Geological.
Hdqrs., Headquarters.
Hort., Horticulture, Horticultural, Horticulturist.
Husb., Husbandry, Husbandman.
Hwy., Highway.
Illustr., Illustrator.
Indus., Industrial, Industries, Industry.
Inf., Information, Informational.
Insp., Inspection, Inspector.
Invest., Investigational, Investigation(s), Investigator.
Irrig., Irrigation.
Jr., Junior.
Lab., Laboratory, Laboratorian.
Libr., Library, Librarian.
Log., Logging.
Mech., Mechanic, Mechanical.
Med., Medical.
Met., Meteorology, Meteorological, Meteorologist.
Mfg., Manufacturing.
Mgr., Manager.
Mgt., Management.
Microan., Microanalyst.
Microbiol., Microbiological, Microbiologist.
Micros., Microscopist.
Misc., Miscellaneous.
Mkt., Market, Marketing.
Mycol., Mycologist.
Nat., National.
Natur., Naturalist.
Nematol., Nematologist.
Nutr., Nutrition.
Obsr., Observer.
Off., Office, Officer.
Oper., Operations.
Org., Organic, Organization.
Parasit., Parasitology, Parisitologist.
Path., Pathology, Pathological, Pathologist.
Pharmacol., Pharmacology, Pharmacologist.
Phys., Physical, Physicist.
Physiol., Physiology, Physiological, Physiologist.
Pl., Plant, Planting.
Pomol., Pomology, Pomological, Pomologist.
Pred., Predatory.
Prin., Principal.
Prod., Production, Products.
Prop., Propagation, Propagating, Propagator.
Pubs., Publications.
Quar., Quarantine.
Refrig., Refrigeration.
Reg., Regional.
Repres., Representative.
Reserv., Reservation, Reservations.
Sci., Scientific, Scientist.
Secy., Secretary.
Silv., Silviculture, Silvicultural, Silviculturist.
Sociol., Sociology.
Spec., Special, Specialist.
Sr., Senior.
Sta., Station.
Stat., Statistics, Statistical, Statistician.
Substa., Substation.
Supt., Superintendent.
Supvr., Supervisor.
Surv., Survey, Surveyor.
Tech., Technical, Technician.
Technol., Technology, Technological, Technologist.
Transp., Transportation.
Univ., University.
Util., Utilization.
Vet., Veterinary, Veterinarian.
Wareh., Warehouse, Warehousing.
Zool., Zoology, Zoologist.

OUTLINE OF FUNCTIONS OF UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

The Secretary of Agriculture is charged with the work of promoting agriculture in its broadest sense. He exercises general supervision and control over the affairs of the Department and formulates and establishes the general policies to be pursued by its various branches. The general administrative staff of the Department under the Office of the Secretary includes, in addition to the Secretary's immediate office, the offices of the Under Secretary, Assistant Secretary, the Directors of Extension Work, Information, Personnel, and Budget and Finance, and the Solicitor. The Under Secretary and Assistant Secretary assist the Secretary in the general administration of the work of the Department and act for the Secretary in his absence. Each of the four directors reporting directly to the Secretary, has general supervision over all the work of the Department of the type which the title of his position implies.

OFFICE OF PERSONNEL

The Office of Personnel has general direction and supervision of the personnel, salary classification, organization, and related operations of the Department as a whole. It conducts the business of the Department with the Civil Service Commission and, when personnel matters are concerned, with other agencies doing business with the Department of Agriculture.

OFFICE OF BUDGET AND FINANCE

The Office of Budget and Finance exercises general direction and supervision of the budget, fiscal, purchasing, accounting, and related work of the Department. It conducts the business of the Department with the Bureau of the Budget, the General Accounting Office, the Treasury Department, the Appropriations Committees, and other agencies of the Government concerned with fiscal and related matters.

DIVISION OF OPERATION

The Division of Operation is responsible for the management of the buildings and other facilities occupied or used by the Department of Agriculture in the District of Columbia, the telephone and telegraph service, the mails and files, and post office, and the motor-truck and other service units. The Chief of the Division also acts as real-estate officer of the Department and as personnel and administrative officer for the internal operation of the Office of the Secretary.

OFFICE OF THE SOLICITOR

The Office of the Solicitor has supervision and direction of the legal work of the Department. It advises administrative officials on legal problems touching their activities; aids in the preparation of, and reviews regulations, orders, and proclamations issued under the regulatory laws; examines evidence bearing on violations of such laws and prepares cases thereunder for transmission to the Attorney General for prosecution; prepares libels, informations, indictments, and other pleadings, as well as briefs for use in litigation; assists United States attorneys in the trial and argument of cases, in which the Department is interested, in the Federal district and appellate courts, including the United States Supreme Court; examines titles to land acquired by the Government under the direction of the Secretary, prepares reports and abstracts thereon and deeds and other instruments of conveyance; conducts hearings on rate and trade-practice matters under the Packers and Stockyards Act of 1921; prosecutes applications

for patents on behalf of Department employees; represents the Department, as counsel, at hearings before the United States land officers and in the argument of cases before the Secretary and tribunals of other departments; prepares and examines legislative bills, contracts, leases; examines claims for damage to or loss of private property; and conducts all correspondence with the several departments and United States attorneys relating to the legal business of the Department.

OFFICE OF INFORMATION

The Office of Information supervises the expenditure of the appropriations for printing and binding for the Department; conducts all business of the Department transacted with the Government Printing Office; has general supervision of all editing, printing, indexing, illustrating, binding, and distribution of publications, and the maintenance of mailing lists; and maintains an Addressing, Duplicating, and Mailing Section to serve the various Bureaus of the Department. This Office secures the circulation in popular form of the discoveries and recommendations of the scientists, specialists, and field workers of the Department; gives out to the public press agricultural facts taken from publications and official orders, and also from oral statements of specialists, this material being presented in such form as to attract public attention, be easily understandable, and lead to the adoption of methods recommended; and keeps in close touch with correspondents and other writers, providing suggestions and material for articles. It also furnishes daily, through broadcasting from many stations in all parts of the United States, authentic information of practical use to farmers and others concerning the discoveries made by the Department and the farm practices recommended by it; and answers by radio questions in all fields of agriculture and home economics.

OFFICE OF EXPERIMENT STATIONS

The Office of Experiment Stations represents the Department in the administration of the Federal appropriations to the States, Alaska, Hawaii, and Puerto Rico authorized by the Hatch, Adams, Purnell, and Bankhead-Jones Acts for research, including such advice, assistance, and information as will best promote the efficiency of these acts. The Office, in addition, is charged with the coordination of the work of the State stations and that of the Department along similar lines. It also collects and disseminates information regarding similar institutions in foreign countries and publishes Experiment Station Record, reviewing the progress of agricultural research throughout the world. The experiment stations in Hawaii and Puerto Rico are also conducted under the general direction of this Office.

EXTENSION SERVICE

The Extension Service aids in making available the results of research and investigation in agriculture and home economics to those who can put the information into practice. It coordinates the extension activities of the bureaus of the Department and of the State agricultural colleges and deals with emergency situations involving Department assistance to farmers. It represents the Department in the conduct of cooperative extension work in agriculture and home economics by the State agricultural colleges and the Department under the Smith-Lever, Capper-Ketcham, and supplementary acts of Congress. Each of the 48 States, the Territories of Hawaii, Alaska, and Puerto Rico, has a State director of extension who represents jointly the Department and the State agricultural college in the administration of extension work. In each State the organization consists of a State administrative and supervisory staff with headquarters in most cases at the State agricultural college, and county agricultural agents, county home demonstration agents, and county club agents, who have their offices usually in the county seats. The distinguishing feature of extension teaching is the field demonstration, although other educational methods are also utilized to teach the best farm and home practices to farm men, women, and boys and girls. The Extension Service also has charge of the preparation, installation, and display of agricultural exhibits at State, interstate, and international fairs and of the motion-picture activities of the Department.

LIBRARY

The Department Library, with its branch libraries in the various bureaus, contains approximately 265,000 volumes on agriculture and the related sciences, technology, and economics and receives currently 4,400 periodicals.

The dictionary card catalog of the main Library, containing more than a half million cards, is a record of the book resources of the whole Department. It is supplemented by several extensive special indexes which are maintained by the branch libraries in the various bureaus. These together form the most comprehensive bibliography of agriculture and the related sciences available in the United States. A series of bibliographical contributions is issued by the Library in mimeographed form, and a separate series of Agricultural Economics Bibliographies is issued by the Bureau of Agricultural Economics library. A brief list of the more important accessions to the Library is contained in the mimeographed series, Agricultural Library Notes, issued monthly by the Library. In addition, the following lists are issued currently by branch libraries in the various bureaus: Agricultural Economics Current Literature, compiled by the Bureau of Agricultural Economics library; Agricultural Engineering Current Literature, compiled by the Bureau of Agricultural Engineering library; Cotton Literature, compiled by Emily L. Day, library specialist in cotton marketing, Bureau of Agricultural Economics; Forestry Current Literature, compiled by the Forest Service library; Highways Current Literature, compiled by the Bureau of Public Roads library; and Plant Science Literature, compiled by the Bureau of Plant Industry library.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

The Agricultural Adjustment Administration is established within the Department of Agriculture to carry out the provisions of the Agriculture Adjustment Act, approved May 12, 1933. This act expresses the policy of Congress to establish and maintain such balance between the production of agricultural commodities and the demand for them, and to provide such marketing conditions for these commodities as will restore the purchasing power of agricultural goods to the level which it held during the years, 1909–14. For protection of consumers the act specifies its provisions shall not be construed as authorizing an increase in the percentage of the consumers' retail expenditures which is returned to farmers above that received in the years 1909–14.

Adjustment measures provided for in the act as amended are: (1) Adjustment in acreage or production of basic agricultural commodities under voluntary contracts between producers and the Secretary of Agriculture, with rental and benefit payments made for individual adjustments; (2) payments for removal of surpluses from ordinary channels of trade and for expansion of domestic and foreign markets; (3) payments for production under domestic allotment; (4) tax programs designed to restrict the volume of marketing of certain agricultural commodities; (5) acquisition of commodities under a plan for holding reserves of certain food, feed and fiber crops, to tide over periods of shortage and protect both farmers and consumers from undue price fluctuations; (6) provisions for attaining normal and stable marketing conditions for basic or nonbasic crops in interstate commerce, through marketing agreements and orders, the use of the latter restricted to definite commodities.

To finance adjustment measures, funds are available from processing and compensatory taxes, special appropriations, and customs receipts. Processing taxes may be levied and benefit payments made for adjusting only basic commodities. Such commodities as specified by the act as amended are: Wheat, rye, flax, barley, cotton, field corn, grain sorghums, hogs, cattle, rice, potatoes, tobacco, peanuts, sugar beets and sugarcane, and milk and its products.

Production control programs of the Agricultural Adjustment Administration encourage beneficial use of land taken out of production of surplus crops, by planting such land to erosion-preventing and soil-building crops.

BUREAU OF AGRICULTURAL ECONOMICS

The Bureau of Agricultural Economics conducts studies of the economics of production and marketing, farm organization, farm financial relations, farm labor, land economics, and the problems of rural life. It acquires and disseminates current information regarding the marketing and distribution of farm

products; collects, compiles, summarizes, interprets, and makes public statistical data relating to agricultural production, including crop and livestock estimates, and estimates of the grade and staple length of the cotton crop and carry-over; studies marketing methods and conditions, and standardization, transportation, handling, financing, utilization, and storage of agricultural products; prepares and publishes reports on the outlook for farm products; and issues quarterly reports on stocks of leaf tobacco.

Reports are issued which furnish information on the supply, commercial movement, disposition, and market prices of fruits and vegetables, livestock and livestock products, dairy and poultry products, grain, hay, feed, seed, cotton, tobacco, and other products. Information is obtained and published also with regard to the supply of and demand for agricultural products in foreign countries. A market inspection service is available in many of the principal producing areas and receiving centers on fruits and vegetables, hay, beans, and other products, and a grading service is conducted on dairy and poultry products, canned fruits and vegetables, meats, tobacco, and rice.

Regulatory work is performed in connection with the enforcement of the Cotton Futures Act, Cotton Standards Act, Grain Standards Act, Standard Container Act, Standard Hamper Act, Produce Agency Act, Perishable Agricultural Commodities Act, the Tobacco Inspection Act, and the administration of the Warehouse Act.

BUREAU OF AGRICULTURAL ENGINEERING

The Bureau of Agricultural Engineering conducts investigations of farm irrigation, farm drainage, farm machinery, farm buildings, and other rural-engineering problems. These investigations include studies of the hydraulics of flow in open watercourses and in closed conduits; organization, administration, and operation of community enterprises for irrigating and for draining farm lands; water requirements for irrigating various lands and crops; land-clearing methods; rearrangement of field boundaries for effective use of farming machinery; mechanical equipment for use in producing crops, farm processing of products, and controlling insect pests; and the planning and construction of farm buildings. Service is rendered in the design and construction of engineering structures and the purchase of engineering equipment for other bureaus of the Department.

BUREAU OF ANIMAL INDUSTRY

The Bureau of Animal Industry is primarily concerned with the protection and development of the livestock and meat industries of the United States. It conducts scientific investigations of the causes, prevention, and treatment of diseases of domestic animals; investigates the existence of communicable diseases of such animals, and aids in their control or eradication; and carries on investigations and experiments in animal husbandry and in the feeding and breeding of animals. It also is charged with the administration of the Meat Inspection Act, the Animal Quarantine Acts, the 28-Hour Law, the Diseased Animal Transportation Acts, the Virus-Serum-Toxin Act, and the act relating to the supervision of the business in interstate commerce of packers, designated public stockyard markets, and commission men, traders, and other agencies operating at such markets.

BUREAU OF BIOLOGICAL SURVEY

The Bureau of Biological Survey, the wildlife service of the Federal Government, engages in research relating to the habits, economic status, and diseases of birds and other wild animals, including studies in the propagation of fur and game species; it acquires and maintains refuges for migratory birds and other forms of the native fauna; conducts work in game management, under regional directors, including control of injurious species and the administration of laws for the conservation of vertebrate wildlife (except fishes). Its work is undertaken in the interest of agriculture, horticulture, stock raising, forestry, and recreation, and to meet the natural requirements of the wildlife itself.

The Bureau maintains fur-animal experiment stations and cooperates with fur farmers in improving methods of production of fur animals in captivity and develops and demonstrates improved practices in rabbit raising; it studies the

propagation of game birds, conducts research in wildlife disease control, and makes investigations for improving the reindeer industry in Alaska and the reestablishment of musk oxen in the Territory.

Through a corps of land-valuation engineers, surveyors, and negotiators, the Bureau is engaged in refuge acquisition in a recently intensified program of restoration of migratory waterfowl. It maintains more than 100 refuges in the United States, Alaska, Hawaii, and Puerto Rico for the protection of birds and of game and other mammals, conducts educational and investigational work in enforcement of laws for wildlife conservation, and develops more effective methods for the control of stock-killing wild animals, destructive rodents, and injurious birds, cooperating with State and other organizations.

Regulatory work is performed by the Bureau in administration of the Migratory Bird Treaty Act, the Migratory Bird Conservation Act, the Migratory Bird Hunting Stamp Act, and, through the Alaska Game Commission, the Alaska Game Law. Other laws administered are for the protection of animals and property on wildlife reservations and for the prevention of illegal interstate shipments and importations from abroad of wild animals and birds.

BUREAU OF CHEMISTRY AND SOILS

The Bureau of Chemistry and Soils is a research organization engaged in studies of soils and fertilizers and in the application of chemistry, physics, and other sciences to the improvement of agriculture.

Under the broad subject of the application of the science of chemistry to the improvement of agriculture, the Bureau is engaged in investigations concerning the technology, manufacture, utilization, and preservation, including freezing, of agricultural products and byproducts; studies of the physiological effects of foods on the human organism; experiments on the utilization, for coloring, medicinal, and technical purposes of raw materials; development of improved processes in the production of rosin and turpentine; improvement of methods for dehydrating materials used for foods; and development of means to prevent farm fires and dust explosions and resulting fires, including fires in grain mills and elevators, cotton gins, cotton-oil mills, etc.

The Bureau is engaged in the classification and mapping of the soils of the United States, studies of the agricultural value of soils, their characteristics in relation to productiveness, their origin and development, and their chemical and mechanical compositions.

The Bureau is engaged in studies of the fertilizer resources of the country and methods of manufacturing fertilizer materials, including nitrogen and its fixation, phosphates, potash, concentrated fertilizers, organic waste products, and miscellaneous soil amendments.

BUREAU OF DAIRY INDUSTRY

The Bureau administers regulations issued pursuant to law relating to process or renovated butter and of the inspection and certification of dairy products for export.

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

The Bureau of Entomology and Plant Quarantine is concerned with investigations on insects and their economic relations; the development and application of methods for their eradication or control; the carrying out, in cooperation with the States, of necessary work to prevent the spread and to control or eradicate insect pests and plant diseases that have gained more or less limited foothold in the United States; and the utilization of those species that are beneficial. These activities include investigations on and direction of control campaigns against the species injurious to agriculture, horticulture, and arboriculture; investigations on the species affecting the health of man and animals, or infesting human habitations or injurious to industries; the culture and use of honeybees and beekeeping practices; investigations on the natural enemies of insects and plant pests and the possibility of using these as aids for control; the taxonomy, anatomy, physiology, and responses of insects; chemical and other problems relating to the composition, action, and application of insecticides; and the development of methods of manufacturing insecticides and materials used with them.

To aid in carrying out these assignments and to protect agriculture from plant pests and diseases, the Bureau is responsible for the enforcement of the following acts and restrictive orders promulgated thereunder: The Plant Quarantine Act of 1912, as amended; the Insect Pest Act of 1905; the act of 1922 governing the importation of adult honeybees; the act providing for the Mexican border inspection and control service; the act providing for export certification to meet sanitary requirements of foreign countries for plants and plant products; the Terminal Inspection Act of 1915 (in cooperation with the Post Office Department).

FOOD AND DRUG ADMINISTRATION

The Food and Drug Administration enforces the Food and Drugs Act, Tea Act, Naval Stores Act, Insecticide Act, Import Milk Act, and Caustic Poison Act.

This Administration inspects and analyzes samples of the various products coming under its surveillance, both at its field stations and in its laboratories at Washington, to the end that it may detect and cause to be removed from the channels of trade all those that fail to comply with the terms of the acts which it enforces. It assists manufacturers to keep their products in compliance with these acts and institutes legal action against those who violate the law. Its primary function is to protect the consuming public against misbranded or adulterated foods, drugs, naval stores, insecticides, and fungicides, and honest manufacturers against enforced competition with such goods.

FOREST SERVICE

The Forest Service administers the national forests; cooperates with States in maintaining organized protection of forest lands against fire and in distributing planting stock to farmers for windbreaks, shelterbelts, and farm woodlands; conducts investigations in the entire field of forestry, including industrial research and research in forest economics and taxation; diffuses information relating to the best uses of forests and forest products; and, in short, seeks to promote the application of forestry throughout the country on both public and privately owned lands, together with efficient and economical use of the yield. The national forests contain approximately 160,000,000 acres of Government-owned land and one-third of the remaining saw timber in the United States, besides forage and recreation resources of great public value. The administration of the national forests aims to coordinate and develop to the utmost the use of all their resources in the best public interest. Technical methods of forestry are applied to the growing and harvesting of timber. Livestock grazing is scientifically regulated so as to obtain range conservation along with full use of the annual growth of forage. Sustained and, where possible, increased yields of timbers and forage are obtained. Water from the watersheds protected by national forests is made available for power, irrigation, and municipal and domestic supply. Provision is made for many other forms of national-forest land use under regulation. Systematic protection is provided against fire and other destructive agencies.

GRAIN FUTURES ADMINISTRATION

The Grain Futures Administration is charged with the carrying out of the provisions of the Grain Futures Act of September 21, 1922, which brings under the supervision of the Federal Government all trading in grain futures at grain exchanges designated as contract markets by the Secretary of Agriculture. The work consists of compiling daily reports of transactions in grain futures from all markets, in checking the dissemination of false and misleading information which affects or tends to affect the prices of grain, and in making general observations of the entire grain-marketing machinery, with a view to prevent abnormal fluctuations of prices and to create market conditions which will reflect supply and demand. The results of investigations concerning the operations of contract markets are published from time to time for the information of Congress and the general public. In cooperation with other Government agencies, the Administration also makes investigations of grain and grain products and byproducts, including supply and demand, cost to the consumer, and handling and transportation charges.

BUREAU OF HOME ECONOMICS

The Bureau of Home Economics conducts scientific studies of consumer problems, including foods and nutrition, economics, textiles and clothing, and housing and equipment. It supplies information to various Government agencies wanting data on consumption of various commodities in the home and assists in the establishment of policies governing the use of these commodities. It furnishes the homemaker results of its scientific research through bulletins, magazine articles and press releases, radio talks, and exhibits. The Bureau employs no field agents, but through the home demonstration agents under the Extension Service and the State colleges of agriculture it is in close contact with homemakers and professional home-economics workers throughout the country.

BUREAU OF PLANT INDUSTRY

The activities of the Bureau of Plant Industry are devoted to plant research and related problems. They include experiments in the improvement of plants so as to increase their yield, quality, and resistance to diseases and insect pests, together with fundamental research on the laws of inheritance looking to the establishment of the soundest procedures in plant breeding; the introduction and testing of promising seeds and plants from foreign countries; investigations of the methods of cultivation and allied operations, such as spraying to protect from important diseases, making for economical and profitable production of field, fruit, vegetable, and ornamental plants, together with studies of the physiology, morphology, and cytology necessary to an adequate understanding of the relation between environment and cultivation on the one hand and yield and quality on the other; fundamental studies of the relation of the crops to the soil including material and methods making for successful fertilizer practice and the function of micro-organisms in soil fertility and crop production; and investigations seeking to establish the best methods of storing plant products in warehouse or during transportation in order to insure maximum final quality and minimum loss and expense during storage and marketing.

The regulatory activities of the Bureau are limited to the enforcement of the Federal Seed Act and the control of quality of plant and soil inoculants.

In addition to the experimental activities of the Bureau at the Arlington (Va.) Experiment Farm, which is immediately adjacent to the District of Columbia, and at the Beltsville Horticultural Farm, in nearby Maryland, the Bureau operates field stations or laboratories in practically all the major cropping regions of the United States, a majority of its activities being in direct cooperation with the State agricultural experiment stations.

Land in the District of Columbia has been acquired by the Bureau on which to establish and maintain the National Arboretum.

BUREAU OF PUBLIC ROADS

The Bureau of Public Roads handles the highway engineering work for the Department. This work deals with all highway functions contemplated by the regular appropriations, including the conduct of highway research, and also with the work of administering the Federal-aid and forest-road appropriations.

SOIL CONSERVATION SERVICE

The Soil Conservation Service is concerned with the prevention and control of accelerated soil erosion on agricultural lands. This function involves research and investigation into the problems of soil erosion and its control, and the propagation of erosion-control practices through the medium of practical demonstration. The Service maintains erosion control experiment stations in the several major agricultural regions; operates a network of demonstration areas extending into 41 States; maintains a series of nurseries for the production and propagation of erosion-control plants; and carries out necessary survey work relating to the extent and nature of erosion, the effect of erosion upon reservoir silting, and similar related problems.

WEATHER BUREAU

The Weather Bureau has charge of the forecasting of the weather; issue and display of weather forecasts and storm, cold-wave, frost, forest-fire weather, and flood warnings; gaging and reporting of river stages; collection and transmission of marine intelligence for the benefit of commerce and navigation; collection and furnishing of meteorological information and forecasts, including upper-air observations, for the benefit of air navigation; reporting of temperature and rainfall conditions for agricultural interests; and the taking of such meteorological observations as may be necessary to determine and record the climatic conditions of the United States.

TECHNICAL WORKERS IN THE UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

Henry A. Wallace, M. S. A., LL. D., *Secy. of Agriculture.*
Rexford G. Tugwell, A. M., Ph. D., *Under Secy. of Agriculture.*
Milburn L. Wilson, M. S., *Asst. Secy. of Agriculture.*
Paul H. Appleby, A. B., *Asst. to the Secy.*
James D. LeCron, M. A., *Asst. to the Secy.*
Milo Perkins, *Asst. to the Secy.*
Julien N. Friant, *Special Asst. to the Secy.*
F. P. Bartlett, A. B., *Asst. to the Under Secy.*
G. E. Falke, *Asst. to the Under Secy.*
Roy F. Hendrickson, A. B., *Asst. to the Asst. Secy.*
Mordecai Ezekiel, M. S., Ph. D., *Economic Advisor.*
C. W. Warburton, D. Sc., *Dir. of Extension Work.*
W. W. Stockberger, Ph. D., *Dir. of Personnel.*
M. S. Eisenhower, B. S., *Dir. of Information.*
W. A. Jump, *Dir. of Finance and Budget Officer.*
Mastin G. White, A. B., LL. B., LL. M., S. J. D.

OFFICE OF PERSONNEL

W. W. Stockberger, *Ph. D., Dir.*
B. B. Hackett, *Asst. to the Dir.*
Edna M. Betz, *Jr. Admin. Asst.*

DIVISION OF APPOINTMENTS

P. L. Gladmon, *Chief.*
S. B. Herrell, *Asst. Chief.*

Civil Service Section:
Edna A. Moorman, *in charge.*

Retirement Section:
E. W. Williams, *in charge.*

Service Records and Notification Section:
C. B. Aylor, *in charge.*

Recording and Statistical Section:
Louis Bollinger, *in charge.*

Personnel Files Section:
B. C. Zell, *in charge.*

Miscellaneous Files Section:
Lottie McKinley,* *in charge.*

Personnel Journal Section:
A. M. Latham, *in charge.*

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Spot Market Supervision:
Fred W. Knight, *Sr. Mkt. Spec.*

Cotton Market News and Quotation Service:
A. M. Agelasto, *Sr. Mkt. Spec.*
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Tennessee—Memphis:
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E. F. Buffington, *Sr. Spec. in Cotton Classing.*
R. L. Kause, B. S., *Sr. Spec. in Cotton Classing.*
Joseph M. Byrnes, *Sr. Spec. in Cotton Classing.*
Hughes Butterworth, *Assoc. Spec. in Cotton Classing.*
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Robert M. Roudabush, *Prin. Sci. Aid.*
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I. T. Black, A. B., *Prin. Sci. Aid.*
J. D. Galloway, *Prin. Sci. Aid.*
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W. S. Lanier, *Prin. Sci. Aid.*
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L. T. Rhea, LL. B., *Prin. Sci. Aid.*
G. P. Taylor, *Prin. Sci. Aid.*
Joseph S. Bozeman, *Prin. Sci. Aid.*
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Cotton Linters Standardization and Cottonseed Products Investigations:
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Victor R. Fuchs, *Mkt. Spec.*

Cotton Utility and Standards Research:
R. W. Webb, M. S., Ph. D., *Sr. Cotton Technol.*
Carl M. Conrad, M. S., Ph. D., *Cotton Technol.*
Fiber Studies:
T. L. W. Bailey, Jr., B. S., *Asst. Cotton Technol.*
Dorothy Nickerson, *Asst. Color Technol.*
George White Field, B. S., *Asst. Sci. Aid.*
Arthur C. Jones, B. S., *Jr. Cotton Technol.*
Howard B. Richardson, B. A., *Asst. Cotton Technol.*
Norma L. Pearson, B. A., Ph. D., *Asst. Cotton Technol.*
Edward W. S. Calkins, A. B., *Jr. Cotton Technol.*
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Spinning Studies:
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M. E. Campbell, B. S., *Assoc. Cotton Technol.*
John T. Wigington, B. S., Agt., (Coop. Clemson Agri. College).
John M. Cook, B. S., *Agent* (Coop. Clemson Agri. College).
Wm. H. Gray, B. S., *Jr. Cotton Technol.*
George B. Derrick, A. B., *Jr. Sci. Aid.*
Ginning Studies:
Mississippi—Stoneville:
Francis L. Gerdes, B. S., *Assoc. Cotton Technol.*
Webster W. Copithorn, *Jr. Sci. Aid.*
Arvid J. Johnson, A. B., *Jr. Cotton Technol.*
Wm. J. Martin, B. S., *Asst. Cotton Technol.*
W. Harold Smith, B. S., *Jr. Cotton Technol.*
George W. Pfeiffenberger, *Jr. Cotton Technol*
Charles S. Shaw, *Asst. Sci. Aid.*

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Joel F. Hembree, M. S., *Asst. Agr. Econ.*
John S. Burgess, Jr., B. S., *Asst. Agr. Econ.*
L. J. Watson, B. S., *Jr. Agr. Econ.*

Cotton Marketing Studies—Methods and Practices:
John W. Wright, M. S., *Sr. Agr. Econ.*

Cotton Use in Relation to Demand and Adaptation of Cotton to New and Extended Uses:
Robert J. Cheatham, B. S., *Sr. Cotton Technol.*
John J. Brown, B. S., *Assoc. Cotton Technol.*
Arthur M. DuPre, Jr., A. B., *Jr. Agr. Econ.*
Rodney Whitaker, M. S., *Asst. Agr. Econ.*
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F. H. Harper, M. S. M. Agr., Ph. D., *Agr. Statis.*
Fred E. Nelson, *Asst. Mkt. Spec.*
George E. Miller, B. S., *Asst. Agr. Statistician.*
Clyde C. McWhorter, B. S., M. S., *Asst. Agr. Econ.*
Florena Cleaves, A. B., *Jr. Agr. Statis.*
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Ben H. Hines, *Spec. in Cotton Classing.*
F. C. Bouknight, B. S., *Jr. Cotton Grade and Staple Est.*
Harold K. Tinsley, B. S., *Assoc. Agr. Econ.*
William Page, B. S., *Jr. Agr. Econ.*
H. A. White, B. S., *Agt.* (Coop. S. C. Agr. Expt. Sta.).

Grade and Staple Estimates—Continued.

FIELD HEADQUARTERS—Continued.
Georgia—Atlanta—Continued.
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Stanley E. Erb, *Jr. Agr. Econ.*
Roosevelt T. Baggett, B. S., *Asst. Agr. Econ.*
Andrews B. Gough, *Sr. Spec. in Cotton Classing.*
George W. Stokes, *Sci. Aid.*
Newton M. Penney, B. S. A., *Agt.* (Coop. S. C. Agr. Expt. Sta.).
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John L. McCollum, B. S., *Assoc. Agr. Econ.*
Newton T. Bringhurst, A. B., *Sr. Spec. in Cotton Classing.*
Herbert F. Taylor, *Spec. in Cotton Classing.*
D. E. Earle, B. S., *Sr. Spec. in Cotton Classing.*
S. R. Gohmert, B. S., *Jr. Cotton Grade and Staple Est.*
D. T. Montfort, B. S., *Jr. Agr. Econ.*
R. L. Willoughby, B. S., *Jr. Cotton Grade Grade and Staple Est.*
J. A. Albritton, B. S., *Jr. Cotton Grade and Staple Est.*
Texas—El Paso:
James R. Kennedy, B. S., *Assoc. Agr. Econ.*
James R. Ray, *Sr. Spec. in Cotton Classing.*
Tennessee—Memphis:
John B. Grimball, B. S., *Agr. Econ.*
Reynolds Kohlheim, *Sr. Spec. in Cotton Classing.*
Robert L. Francis, *Sr. Spec. in Cotton Classing.*
Frederick W. Morrison, *Sr. Spec. in Cotton Classing.*
F. C. McClendon, B. S., *Asst. Agr. Econ.*
Alton L. Smith, B. S., *Jr. Agr. Econ.*
R. C. Soxman, B. S., *Jr. Agr. Econ.*
M. L. Garner, B. S., *Jr. Agr. Econ.*
R. A. Stephens, B. S., *Jr. Cotton Grade and Staple Est.*
R. A. Craig, *Sci. Aid.*
Philips P. Boyer, B. Ph., *Agt.* (Tenn. Agr. Expt. Sta.).
Texas—Austin:
Samuel W. Martin, M. S., *Assoc. Agr. Econ.*
John W. Doremus, LL. B., *Sr. Spec. in Cotton Classing.*
Alfred W. Nelb, *Spec. in Cotton Classing.*
W. M. Jeffress, B. C. S., *Asst. Agr. Econ.*
Elmore Torn, B. S., *Jr. Agr. Econ.*
A. L. Roberts, B. S., *Jr. Cotton Grade and Staple Est.*
H. B. Martin, B. S., *Jr. Cotton Grade and Staple Est.*
Kermit E. Voelkel, B. S., *Jr. Cotton Grade and Staple Est.*

DIVISION OF FRUITS AND VEGETABLES

W. A. Sherman, *Prin. Mkt. Spec. in charge.*
F. G. Robb, B. S., *Prin. Mkt. Spec., Assoc. Div. Leader.*

Market News Service on Fruits, Vegetables, and Peanuts:

B. C. Boree, *Sr. Mkt. Spec.*
H. J. Clay, B. S., *Assoc. Mkt. Spec.*
Aaron Stambaugh, *Jr. Mkt. Spec.*
FIELD HEADQUARTERS:
California:
Fresno:
A. E. Prugh, *Assoc. Mkt. Spec.*
Los Angeles:
Walter Kingsbury, B. S., *Assoc. Mkt. Spec.* (*Coop. State of Calif.*).
San Francisco:
W. F. Cox, B. S., *Assoc. Mkt. Spec.* (*Coop. State of Calif.*).
Colorado—Denver:
Bryce Morris, *Assoc. Mkt. Spec.* (Itinerant).
Georgia—Atlanta:
Geo. F. Booker, B. S., *Jr. Mkt. Spec.*
Florida:
Orlando (seasonal office):
H. F. Willson, B. S., *Asst. Mkt. Spec.*
Plant City (seasonal office):
R. M. Peterson, B. S., *Asst. Mkt. Spec.*

Market News Service on Fruits—Continued.

FIELD HEADQUARTERS—Continued.
Florida—Continued.
Pompano (seasonal office):
J. B. Owens, B. S., *Asst. Mkt. Spec.*
Idaho—Idaho Falls (seasonal office):
J. C. Keller, B. S., *Jr. Mkt. Spec.*
Illinois—Chicago:
W. H. Hall, *Sr. Mkt. Spec.*
Alexander B. Farlinger, *Assoc. Mkt. Spec.*
V. A. Ekstrom M. S., *Jr. Mkt. Spec.*
D. L. Smith, B. S., *Jr. Mkt. Spec.*
Ralph E. Winfrey, *Jr. Mkt. Spec.*
Louisiana—New Orleans:
R. L. Sutton, B. S., *Asst. Mkt. Spec.*
Maine—Presque Isle (seasonal office):
A. M. McDowell, B. S., *Jr. Mkt. Spec.*
Maryland—Baltimore:
W. E. Harrison, *Asst. Mkt. Spec.* (*Coop. State of Md.*).
Massachusetts—Boston:
Harry S. Stiles, B. S., *Asst. Mkt. Spec.*
Michigan:
Detroit:
C. D. Schoolcraft, B. S., *Asst. Mkt. Spec.*
Grand Rapids (seasonal office):
R. E. Keller, B. S., *Asst. Mkt. Spec.*
Missouri—Kansas City:
R. E. Corbin, B. S., *Asst. Mkt. Spec.*
New York:
New York:
E. R. Biddle, B. A., *Sr. Mkt. Spec.*
S. W. Russell, B. S., *Assoc. Mkt. Spec.*
Rochester (seasonal office):
V. H. Nicholson, *Asst. Mkt. Spec.*
Ohio:
Cincinnati:
W. H. Mosier, B. S., *Assoc. Mkt. Spec.*
Cleveland:
T. R. Butts, B. S. in C. A., *Asst. Mkt. Spec.*
Oregon—Portland:
M. M. Thomas, *Asst. Mkt. Spec.*
Pennsylvania:
Philadelphia:
Wendell Calhoun, M. S., *Assoc. Mkt. Spec.*
J. P. Capus, *Jr. Mkt. Spec.*
Pittsburgh:
J. K. Boyd, *Asst. Mkt. Spec.* (*Coop. State of Pa.*).
Texas:
Brownsville (seasonal office):
W. D. Googe, B. A., *Asst. Mkt. Spec.*
Fort Worth:
B. E. Surry, B. A., *Jr. Mkt. Spec.*
San Antonio:
M. G. Longino, B. S., *Agent* (*Coop. State of Tex.*).
Washington—Seattle:
L. S. Fenn, B. S., *Assoc. Mkt. Spec.*
Lola B. Gerry,* *Jr. Mkt. Spec.*
Wisconsin—Waupaca (seasonal office):
R. G. Risser, B. S., *Asst. Mkt. Spec.*

Inspection of Fruits and Vegetables:

Robert Bier, B. S., *Sr. Mkt. Spec.*
Herbert Graff, A. B., *Asst. Mkt. Spec.* (*field service*).
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W. F. Allewelt, B. S., *Sr. Mkt. Spec.* (*Coop. State of Calif.*).
H. W. Peterson, B. S., *Assoc. Mkt. Spec.* (*Coop. State of Calif.*).
C. G. Holme, Jr., *Asst. Mkt. Spec.* (*Coop. State of Calif.*).
P. V. Stay, *Asst. Mkt. Spec.* (*Coop. State of Calif.*)
W. R. Stay, B. S., *Asst. Mkt. Spec.* (*Coop. State of Calif.*).
San Diego:
J. R. Duncan, *Asst. Mkt. Spec.*
San Francisco:
C. H. Beasley, *Assoc. Mkt. Spec.* (*Coop. State of Calif.*).
San Pedro:
J. B. Wright, *Asst. Mkt. Spec.*
Vallejo:
S. H. Fountain, *Asst. Mkt. Spec.*

Inspection of Fruits and Vegetables—Continued.

FIELD HEADQUARTERS—Continued.

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E. F. McKune, M. S., *Sr. Mkt. Spec.* (*Coop. State of Colo.*).
N. D. Sanborn, *Assoc. Mkt. Spec.* (*Coop. State of Colo.*).

Connecticut:
Hartford:
R. W. Tyson, B. S., *Asst. Mkt. Spec.*
New Haven:
W. E. Phillips, *Asst. Mkt. Spec.*

Florida:
Jacksonville:
R. H. Von Glahn, B. S., *Assoc. Mkt. Spec.*
Orlando:
T. W. Ayres, B. S., *Mkt. Spec.*

Georgia—Atlanta:
J. H. Hoover, *Assoc. Mkt. Spec.*
B. Hall, B. S., *Asst. Mkt. Spec.*

Hawaii—Honolulu:
R. C. Elliott, B. S., *Assoc. Mkt. Spec.*

Idaho—Boise:
L. G. Schultz, B. S., *Mkt. Spec.*

Illinois:
Chicago:
E. E. Conklin, Jr., B. S., *Sr. Mkt. Spec.*
M. A. Russell, B. S., *Mkt. Spec.*
R. C. Lindstrom, *Assoc. Mkt. Spec.* (*Coop. State of Wis.*).
Douglas C. Beeler, B. S., *Asst. Mkt. Spec.*
W. J. Bertush, B. S., *Asst. Mkt. Spec.*
Grover Clyde, B. S., *Asst. Mkt. Spec.*
C. Deyoe, *Asst. Mkt. Spec.*
W. A. Dorman, B. S., *Asst. Mkt. Spec.*
R. M. Ferguson, *Asst. Mkt. Spec.*
W. D. Hull, B. S., *Asst. Mkt. Spec.*
E. J. Maynard, *Asst. Mkt. Spec.*
C. L. Powell, B. S., *Asst. Mkt. Spec.*
F. L. Southerland, *Asst. Mkt. Spec.*
Great Lakes:
S. N. Green, *Asst. Mkt. Spec.*

Indiana—Indianapolis:
Jesse E. Dickerson, B. S., *Assoc. Mkt. Spec.* (*Coop. State of Ind.*).

Louisiana:
Baton Rouge:
H. S. Moles, B. S., *Assoc. Mkt. Spec.* (*Coop. State of La.*).
New Orleans:
W. W. Anderson, B. S., *Asst. Mkt. Spec.*

Maryland—Baltimore:
S. F. Shreve, *Asst. Mkt. Spec.*

Massachusetts:
Boston:
W. F. Plummer, *Assoc. Mkt. Spec.*
Geo. A. Crone, *Asst. Mkt. Spec.*
G. H. Irish, B. S., *Asst. Mkt. Spec.*
Springfield:
G. R. Warren, B. S., *Assoc. Mkt. Spec.*

Michigan—Detroit:
P. T. Baden, B. S., *Asst. Mkt. Spec.*

Minnesota—Minneapolis:
Geo. W. Christenson, *Asst. Mkt. Spec.* (*Coop. State of Minn.*).

Missouri:
Kansas City:
Frank M. Lyle, M. S., *Asst. Mkt. Spec.*
St. Louis:
L. G. C. Peirce, Ph. B., *Asst. Mkt. Spec.*

Nebraska—Omaha:
C. G. Brand, *Asst. Mkt. Spec.*

New Jersey—Newark:
H. L. Harrington, B. S., *Asst. Mkt. Spec.*

New York:
Buffalo:
J. W. Raplee, B. S., *Asst. Mkt. Spec.*
New York:
W. C. Hackleman, B. S., *Sr. Mkt. Spec.*
K. S. Branch, *Mkt. Spec.* (*Coop. Western Perishable Receiver's Assn.*).
G. W. Payne, *Mkt. Spec.*
F. S. Kinsey, *Assoc. Mkt. Spec.*
A. S. Mason, B. S., *Assoc. Mkt. Spec.*
F. S. Zimmerman, B. S., *Assoc. Mkt. Spec.*
E. G. Batsford, B. S., *Asst. Mkt. Spec.*
H. A. Bowers, B. S., *Asst. Mkt. Spec.*
J. L. Ebert, *Asst. Mkt. Spec.*
Robert B. Emery, *Asst. Mkt. Spec.*

Inspection of Fruits and Vegetables—Continued.

FIELD HEADQUARTERS—Continued.

New York—Continued.
New York—Continued.
W. C. Hangstafer, *Asst. Mkt. Spec.*
T. L. Kelly, *Asst. Mkt. Spec.*
D. L. Lacy, B. S., *Asst. Mkt. Spec.*
Simon Lieberman, A. B., *Asst. Mkt. Spec.*
A. H. Polster, B. S., *Asst. Mkt. Spec.*
B. H. Rowell, *Asst. Mkt. Spec.*
F. Wolfarth, *Asst. Mkt. Spec.*

North Dakota—Fargo:
R. C. Hastings, B. S., *Asst. Mkt. Spec.* (*Coop. State of N. Dak.*).

Ohio:
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John W. Coleman, B. S., *Asst. Mkt. Spec.*
Cleveland:
G. A. Bidelman, *Asst. Mkt. Spec.*
Edgar Krumm, *Asst. Mkt. Spec.*
Columbus:
M. W. Baker, *Assoc. Mkt. Spec.* (*Coop. State of Ohio*).

Oklahoma—Tulsa:
R. B. Landrum, *Assoc. Mkt. Spec.*

Oregon:
Portland:
R. L. Ringer, B. S., *Asst. Mkt. Spec.*
Salem:
W. L. Close, B. S., *Assoc. Mkt. Spec.*

Pennsylvania:
Harrisburg:
D. M. James, B. S., *Asst. Mkt. Spec.* (*Coop. State of Pa.*).
Philadelphia:
G. R. Blount, B. S., *Assoc. Mkt. Spec.*
Herman Beckenstrater, B. S., *Asst. Mkt. Spec.*
Harold S. Slamp. B. S., *Asst. Mkt. Spec.*
Pittsburgh:
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J. A. Marks, B. S., *Assoc. Mkt. Spec.*
R. N. Balster, B. S., *Asst. Mkt. Spec.*

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Herbert L. Geer, M. S., *Asst. Mkt. Spec.*

South Carolina—Columbia:
Geo. E. Prince, B. S., *Assoc. Mkt. Spec.* (*Coop. State of S.C.*)

Tennessee—Memphis:
H. C. McCoy, *Asst. Mkt. Spec.*

Texas:
Harlingen:
H. T. Longino, *Mkt. Spec.* (*Coop. State of Tex.*).
Fort Worth:
M. C. Gregory, B. S., *Asst. Mkt. Spec.*
Houston:
C. D. Shirley, B. S., *Asst. Mkt. Spec.*

Utah—Salt Lake City:
L. W. Brewer, B. S., *Assoc. Mkt. Spec.*

Virginia—Norfolk:
H. H. Henderson, A. B., *Asst. Mkt. Spec.*

Washington—Yakima:
F. E. Bailey, *Mkt. Spec.*

Wisconsin—Milwaukee:
H. A. Arenz, *Asst. Mkt. Spec.*

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J. W. Park, B. S. A., *Agr. Econ.*
W. E. Lewis, B. S., *Agr. Econ.*
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M. E. Smith, M. S., *Assoc. Mkt. Spec.*
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T. C. Curry, *Asssoc. Mkt. Spec.*
O. N. Harsha, *Assoc. Mkt. Spec.*
W. A. Hilgeson, *Assoc. Mkt. Spec.*
W. G. Lensen, B. S., *Assoc. Mkt. Spec.*
R. H. Shoemaker, B. S., *Assoc. Mkt. Spec.*
W. H. Steinbauer, B. S., *Assoc. Mkt. Spec.*
G. W. Winfrey, B. S. A., *Assoc. Mkt. Spec.*
T. C. J. Baker, *Asst. Mkt. Spec.*

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C. R. Newton, B. L., *Mkt. Spec.*
C. H. Walleigh, *Mkt. Spec.*
T. C. Curry, *Assoc. Mkt. Spec.*
O. N. Harsha, *Assoc. Mkt. Spec.*
W. A. Hilgeson, *Assoc. Mkt. Spec.*
W. G. Lensen, B. S., *Assoc. Mkt. Spec.*
R. H. Shoemaker, B. S., *Assoc. Mkt. Spec.*
W. H. Steinbauer, B. S., *Assoc. Mkt. Spec.*
G. W. Winfrey, B. S. A., *Assoc. Mkt. Spec.*
Brice Edwards, B. S., M. A., *Asst. Mkt. Spec.*
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J. W. Dykes, LL. B., *Assoc. Mkt. Spec.*

Grading of Canned Fruits and Vegetables:

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L. M. Billman, B. S., *Asst. Mkt. Spec.*
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Illinois—Chicago:
Elmer P. Bostwick, Ph. C., *Assoc. Mkt. Spec.*
Pennsylvania—Philadelphia:
J. C. Bigger, *Asst. Mkt. Spec.*

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C. V. Whalin, B. A., *Prin. Mkt. Spec. in charge.*

Market News Service on Livestock, Meats, and Wool:

E. W. Baker, *Sr. Mkt. Spec.*
J. A. Burgess, B. S., *Prin. Assoc. Mkt. Spec.*
FIELD HEADQUARTERS:
California:
Los Angeles:
F. O. Kingsbury, *Asst. Mkt. Spec.*
San Francisco:
W. E. Schneider, B. S., *Assoc. Mkt. Spec.*
R. R. David, *Asst. Mkt. Spec.*
J. R. Zimmerman, *Jr. Mkt. Spec.*
Colorado—Denver:
H. W. French, *Assoc. Mkt. Spec.*
C. A. Anderson, *Asst. Mkt. Spec.*
A. R. Paden, *Asst. Mkt. Spec.*
Illinois:
Chicago:
J. S. Campbell, *Sr. Mkt. Spec.*
H. B. Latham, *Assoc. Mkt. Spec.*
D. J. Slater, B. S., *Assoc. Mkt. Spec.*
C. C. Green, B. S., *Asst. Mkt. Spec.*
W. F. Horst, B. S., *Asst. Mkt. Spec.*
W. Smeby, *Asst. Mkt. Spec.*
National Stockyards:
E. K. Hess, *Assoc. Mkt. Spec.*
A. L. Austin, B. S., *Asst. Mkt. Spec.*
I. C. Everts, *Asst. Mkt. Spec.*
Indiana—Indianapolis:
J. L. Mozley, *Asst. Mkt. Spec.*
Iowa:
Des Moines:
K. L. Urban, *Asst. Mkt. Spec.*
E. L. Heiman, *Jr. Mkt. Spec.*
Sioux City:
J. D. Hale, *Assoc. Mkt. Spec.*
E. Lende, *Asst. Mkt. Spec.*
G. L. Ellison, B. A., *Jr. Mkt. Spec.*
Kansas—Wichita:
E. H. Richardson, D. V. M., *Asst. Mkt. Spec.*
Kentucky—Louisville:
S. L. Byerly, B. S., *Asst. Mkt. Spec.*
Massachusetts—Boston:
R. L. Burrus, B. S., *Assoc. Mkt. Spec.*
E. S. Higgins, *Asst. Mkt. Spec.*
M. E. Penry, *Asst. Mkt. Spec.*
J. J. Window, B. S., B. F. S., *Jr. Mkt. Spec.*
Minnesota—South St. Paul:
A. B. Smeby, *Mkt. Spec.*
L. M. Woodruff, B. S., *Asst. Mkt. Spec.*
G. E. Rodda, *Jr. Mkt. Spec.*

Market News Service—Continued.

FIELD HEADQUARTERS—Continued.
Missouri:
Kansas City:
M. Y. Griffin, *Assoc. Mkt. Spec.*
W. R. Branch, B. S., *Asst. Mkt. Spec.*
H. D. Williams, *Asst. Mkt. Spec.*
L. M. Wyatt, *Jr. Mkt. Spec.*
St. Joseph:
E. A. Orr, *Assoc. Mkt. Spec.*
B. R. Bowman, B. S., *Asst. Mkt. Spec.*
C. O. Wise, *Jr. Mkt. Spec.*
Nebraska—Omaha:
Charles Bruce, *Assoc. Mkt. Spec.*
L. O. Gibson, B. A., *Asst. Mkt. Spec.*
J. Hartnell, *Asst. Mkt. Spec.*
New York:
Buffalo:
A. J. Ryan, *Asst. Mkt. Spec.*
New York:
D. G. Cummins, *Assoc. Mkt. Spec.*
C. F. House, *Asst. Mkt. Spec.*
Dean Smith, B. S., *Asst. Mkt. Spec.*
Ohio—Cincinnati:
G. B. Fundis, *Asst. Mkt. Spec.*
Oregon—Portland:
T. T. Swenson, B. S., *Asst. Mkt. Spec.*
Pennsylvania—Philadelphia:
C. M. Harris, *Assoc. Mkt. Spec.*
Tennessee—Nashville:
S. L. Byerly, B. S., *Asst. Mkt. Spec.*
Texas—Fort Worth:
S. Emens, *Assoc. Mkt. Spec.*
F. R. Sawyer, B. S., *Asst. Mkt. Spec.*
Utah—Ogden:
S. Bray, LL. B., *Assoc. Mkt. Spec.*
J. L. Patterson, *Asst. Mkt. Spec.*
Wyoming—Casper:
E. T. Forsling, *Asst. Mkt. Spec.*

Meat Standardization and Marketing Investigations:

B. F. McCarthy, *Sr. Mkt. Spec.*
L. B. Burk, B. S., *Agr. Econ.* (Tech. study of meat quality).
M. T. Foster, A. M., *Assoc. Livestock and Meat Technol.* (Tech. study of meat quality).

Livestock and Meat Economic Market Investigations:

C. A. Burmeister, M. A., *Sr. Agr. Econ.*
K. Bjorka, M. A., *Agr. Econ.*
A. T. Edinger, M. A., *Assoc. Mkt. Spec.*
M. T. Foster, A. M., *Assoc. Livestock and Meat Technol.*

Livestock Standardization:

L. B. Burk, B. S., *Agr. Econ.*
J. K. Wallace, *Sr. Mkt. Spec.*

Livestock Market Statistics:

Edna M. Jordan, *Asst. Agr. Stat.*
FIELD HEADQUARTERS:
Illinois—Chicago:
K. Myers, M. S., *Asst. Agr. Econ.*

Meat Grading Service:

B. F. McCarthy, *Sr. Mkt. Spec.*
E. O. Swedberg, *Asst. Mkt. Spec.* (*field service-coop. Nat. Livestock and Meat Board*).
E. Smith, *Asst. Mkt. Spec.* (*field service—coop. Nat. Livestock and Meat Board*).
C. F. Stiles, *Asst. Mkt. Spec.* (*field service—coop. Nat. Livestock and Meat Board*).
FIELD HEADQUARTERS:
Arizona—Phoenix:
S. Nelson, *Assoc. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
Illinois:
Chicago:
H. Huntington, *Assoc. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
W. E. Brettschneider, *Asst. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
W. J. Eberline, *Asst. Mkt. Spec.*
J. R. Maize, *Asst. Mkt. Spec.*
National Stockyards:
A. J. Naegele, *Assoc. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).

Meat Grading Service—Continued.
FIELD HEADQUARTERS—Continued.
Illinois—Continued.
National Stockyards—Continued.
L. J. Waack, *Assoc. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
J. S. Carroll, *Asst. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
Massachusetts—Boston:
E. S. Higgins, *Asst. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
Michigan—Detroit:
D. A. Ford, *Assoc. Mkt. Spec.*
Missouri—Kansas City:
L. P. Stream, *Assoc. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
E. V. Theobald, *Asst. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
Nebraska—Omaha:
L. A. Bell, *Assoc. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
New York:
Albany:
E. H. Berky, *Asst. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
Buffalo:
J. L. Glover, Jr., *Assoc. Mkt. Spec.*
New York:
S. Goldsmith, *Assoc. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
W. H. Norris, *Assoc. Mkt. Spec.*
W. W. Wheeler, *Assoc. Mkt. Spec.*
J. J. O'Brien, *Asst. Mkt. Spec.*
Henry Posser, *Asst. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
J. F. Scanlon, *Asst. Mkt. Spec.*
Iowa—Sioux City:
E. Lende, *Asst. Mkt. Spec.*
Kansas—Wichita:
E. H. Richardson, D. V. M., *Asst. Mkt. Spec.*
Ohio—Cleveland:
S. H. Steen, *Asst. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
Pennsylvania—Philadelphia:
C. M. Harris, *Assoc. Mkt. Spec.*
F. E. Lozo, *Asst. Mkt. Spec.* (*Coop. Nat. Livestock and Meat Board*).
Washington—Seattle:
J. J. Olofson, *Asst. Mkt. Spec.* (*Coop. City of Seattle*).

Wool Standardization and Marketing Investigations:
W. M. Buck, *Mkt. Spec.*
J. W. Christie, *Mkt. Spec.*
F. Grayson, *Assoc. Mkt. Spec.*
W. A. Mueller, *Assoc. Mkt. Spec.*
L. A. Wood, *Jr. Mkt. Spec.*

GRAIN DIVISION

E. C. Parker, B. S., *Prin. Mkt. Spec. in charge.*

Administration of Grain Standards Act:
E. C. Parker, B. S., *Prin. Mkt. Spec. in charge.*
E. J. Murphy, LL. B., *Sr. Admin. Off.*
G. W. Morrison, *Jr., Admin. Asst.*
T. A. Sommers, *Asst. Mkt. Spec.*
H. M. Crosswhite, *Prin. Clerk.*
FIELD HEADQUARTERS:
R. T. Miles, B. S., *Prin. Mkt. Spec., in charge of general field hdqrs., Chicago, Ill.*
B. W. Whitlock, B. S., *Sr. Mkt. Spec., in charge of Pacific coast field hdqrs., Portland, Oreg.*
California:
Los Angeles:
J. A. LeRoy, *Assoc. Mkt. Spec.*
San Francisco:
J. F. Welch, *Assoc. Mkt. Spec.*
Colorado—Denver:
E. A. Hill, *Assoc. Mkt. Spec.*
Illinois:
Cairo:
E. J. Aldred, *Asst. Mkt. Spec.*
Chicago (general field hdqrs.):
R. T. Miles, B. S., *Prin. Mkt. Spec., in charge.*
R. C. Mill, LL. B., *Mkt. Spec.*
G. P. Bodnar, B. S., *Mkt. Spec.*
F. C. Heiss, *Asst. Mkt. Spec.*

Administration of Grain Standards Act—Contd.
FIELD HEADQUARTERS—Continued.
Illinois—Continued.
Chicago (district):
C. L. Cannon, M. S., *Sr. Mkt. Spec.*
J. Q. Adams, *Assoc. Mkt. Spec.*
F. J. Coghlan, *Asst. Mkt. Spec.*
T. M. Hughes, *Asst. Mkt. Spec.*
G. F. Turner, *Prin. Jr. Mkt. Spec.*
Chicago (South):
R. W. Gilbert, *Mkt. Spec.*
T. J. O'Brien, *Assoc. Mkt. Spec.*
C. L. Shiley, *Prin. Jr. Mkt. Spec.*
Peoria:
R. B. Woolsey, *Assoc. Mkt. Spec.*
Indiana—Indianapolis:
C. A. Russell, *Mkt. Spec.*
Wm. Knight, *Asst. Mkt. Spec.*
Iowa:
Cedar Rapids:
G. A. Dabinett, *Asst. Mkt. Spec.*
Sioux City:
R. H. Martin, *Jr. Supor. of Grain Insp.*
Kansas:
Wichita:
G. F. Binderim, LL. B., *Assoc. Mkt. Spec.*
Hutchinson:
Ross Chambers, *Jr. Supor. of Grain Insp.*
Kentucky—Louisville:
J. W. Wesson, A. B., B. S., *Asst. Mkt. Spec.*
Louisiana—New Orleans:
J. P. Stanfield, *Assoc. Mkt. Spec.*
Maryland—Baltimore:
Harold Anderson, *Assoc. Mkt. Spec.*
P. J. Bollman, *Asst. Mkt. Spec.*
L. M. Carr, *Prin. Jr. Mkt. Spec.*
Massachusetts—Boston:
M. B. Gleason, *Asst. Mkt. Spec.*
Minnesota:
Duluth:
W. H. Shea, *Sr. Mkt. Spec.*
M. F. Haggerty, *Assoc. Mkt. Spec.*
F. L. Loos, LL. B., *Assoc. Mkt. Spec.*
W. A. Pahl, *Assoc. Mkt. Spec.*
G. L. Good, *Asst. Mkt. Spec.*
A. J. Boyum, *Prin. Jr. Mkt. Spec.*
L. R. Peterson, *Prin. Jr. Mkt. Spec.*
J. A. Thomas, *Prin. Jr. Mkt. Spec.*
Minneapolis:
R. H. Black, A. B., *Sr. Mkt. Spec.*
F. A. Cummings, *Assoc. Mkt. Spec.*
C. A. Waalen, *Assoc. Mkt. Spec.*
M. J. Johnson, *Asst. Mkt. Spec.*
E. C. Noll, *Asst. Mkt. Spec.*
W. L. Moline, *Prin. Jr. Mkt. Spec.*
W. W. Amidon, *Prin. Jr. Mkt. Spec.*
Missouri:
Kansas City:
Martin Schuler, *Sr. Mkt. Spec.*
J. E. Elstner, *Assoc. Mkt. Spec.*
Lee Gallaher, *Assoc. Mkt. Spec.*
C. B. Wright, *Assoc. Mkt. Spec.*
R. C. Wright, *Assoc. Mkt. Spec.*
G. F. Hester, *Asst. Mkt. Spec.*
A. V. Jones, *Asst. Mkt. Spec.*
St. Joseph:
J. E. Bohn, B. S., *Asst. Mkt. Spec.*
J. N. Mitchell, *Prin. Jr. Mkt. Spec.*
St. Louis:
C. B. Barron, *Sr. Mkt. Spec.*
A. R. Matters, B. S., *Assoc. Mkt. Spec.*
R. W. Taylor, *Assoc. Mkt. Spec.*
Montana—Great Falls:
R. W. Skelton, *Assoc. Mkt. Spec.*
Nebraska—Omaha:
H. E. Nelson, *Sr. Mkt. Spec.*
G. L. Holtzscherer, *Assoc. Mkt. Spec.*
W. T. Bailey, *Asst. Mkt. Spec.*
New Jersey—Hoboken:
J. T. Pugsley, *Prin. Jr. Mkt. Spec.*
New York:
Albany:
A. S. Kirkwood, *Asst. Mkt. Spec.*
W. M. Chelf, *Prin. Jr. Mkt. Spec.*
Buffalo:
J. J. Dwyer, *Mkt. Spec.*
J. T. Cavanagh, *Assoc. Mkt. Spec.*
J. E. Kraus, *Asst. Mkt. Spec.*
T. P. Martin, *Prin. Jr. Mkt. Spec.*

Administration of Grain Standards Act—Contd.
FIELD HEADQUARTERS—Continued.
New York—Continued.
New York:
Philip Rothrock, B. S., *Sr. Mkt. Spec.*
Wm. Kurtz, *Asst. Mkt. Spec.*
A. C. Schafer, *Prin. Jr. Mkt. Spec.*
Ohio:
Cincinnati:
L. F. Butler, *Asst. Mkt. Spec.*
Toledo:
H. F. Prue, *Assoc. Mkt. Spec.*
R. F. Gordon, *Asst. Mkt. Spec.*
Oklahoma:
Oklahoma City:
H. L. Binkley, *Asst. Mkt. Spec.*
Enid:
H. N. Holmes, *Asst. Mkt. Spec.*
Oregon:
Portland (Pacific coast hdqrs.):
B. W. Whitlock, B. S., *Sr. Mkt. Spec., in charge.*
R. L. Baldwin, B. S., *Asst. Mkt. Spec.*
Portland (district):
G. K. Landers, *Assoc. Mkt. Spec.*
Guy Fisher, *Prin. Jr. Mkt. Spec.*
E. D. Gilman, *Prin. Jr. Mkt. Spec.*
Pennsylvania—Philadelphia:
W. M. Smith, *Assoc. Mkt. Spec.*
J. N. Arndt, *Asst. Mkt. Spec.*
C. R. Holter, *Prin. Jr. Mkt. Spec.*
Tennessee:
Memphis:
F. B. Simpson, *Asst. Mkt. Spec.*
Nashville:
H. A. Harlow, *Asst. Mkt. Spec.*
Texas:
Fort Worth:
C. W. Griffin, *Assoc. Mkt. Spec.*
W. L. Wood, *Asst. Mkt. Spec.*
H. W. Long, *Asst. Mkt. Spec.*
Galveston:
J. R. Holmes, *Assoc. Mkt. Spec.*
John Hey, *Prin. Jr. Mkt. Spec.*
Houston:
L. N. Amrhein, B. S., *Asst. Mkt. Spec.* (*Coop. Tex. State Dept. Agr.*).
Utah—Ogden:
L. W. Grandy, *Asst. Mkt. Spec.*
Washington:
Seattle:
H. W. Moering, *Asst. Mkt. Spec.*
L. B. McKee, *Prin. Jr. Mkt. Spec.*
Spokane:
G. A. Hardgrove, *Asst. Mkt. Spec.*
W. H. Binkley, *Asst. Mkt. Spec.*
Tacoma:
T. A. Stevens, *Asst. Mkt. Spec.*
Vancouver:
J. J. McGuire, *Prin. Jr. Mkt. Spec.*
Wisconsin—Milwaukee:
W. L. Ingles, *Assoc. Mkt. Spec.*
E. P. Wrafter, *Asst. Mkt. Spec.*
J. J. Mackesy, Jr., *Prin. Jr. Mkt. Spec.*

Inspection Efficiency, Grain Standards Act:
FIELD HEADQUARTERS:
Illinois—Chicago (general field hdqrs.)
F. G. Smith, A. B., LL. B., *Sr. Mkt. Spec.*
W. P. Carroll, A. B., B. S., *Sr. Mkt. Spec.*
W. B. Combs, B. S., *Mkt. Spec.*
L. N. Grant, *Asst. Mkt. Spec.*
Oregon—Portland:
R. E. White, *Assoc. Mkt. Spec.*

Board of Review, Grain Standards Act:
FIELD HEADQUARTERS:
Illinois—Chicago:
O. F. Phillips, *Sr. Mkt. Spec., Chairman.*
J. H. Edwards, *Sr. Mkt. Spec.*
H. P. English, B. S., *Sr. Mkt. Spec.*
A. F. Nelson, *Sr. Mkt. Spec.*
John Sheedy, *Sr. Mkt. Spec.*
W. F. Shanahan, *Asst. Mkt. Spec.*
W. J. Sheridan, *Prin. Jr. Mkt. Spec.*

Board of Review—Continued.
FIELD HEADQUARTERS—Continued.
Oregon—Portland (Pacific coast hdqrs.):
B. W. Whitlock, B. S., *Sr. Mkt. Spec., Chairman.*
B. J. Stubblefield, *Assoc. Mkt. Spec.*
R. E. White, *Assoc. Mkt. Spec.*
W. J. Morgan, B. S., *Assoc. Mkt. Spec.*

Grain Investigations:
E. G. Boerner, B. S., *Sr. Mkt. Spec.*
C. Louise Phillips, M. S., *Sci. Asst.*
Rice Grading (field):
California—San Francisco:
Robt. M. Gehl, *Assoc. Mkt. Spec.*
Louisiana—New Orleans:
W. D. Smith, *Sr. Mkt. Spec.*
J. J. Deffes, *Asst. Mkt. Spec.* (*Coop. La. State Dept. Agr.*).

Bulk Handling Investigations (Field):
California—San Francisco:
E. N. Bates, B. S., M. E., *Sr. Mkt. Spec.*

Milling, Baking, and Chemical Laboratory:
D. A. Coleman, M. S., Ph. D., *Sr. Mkt. Spec.*
H. C. Fellows, B. S., *Assoc. Grain Technol.*
Alfred Christie, M. A., *Asst. Mkt. Econ.*
H. B. Dixon, M. S., *Asst. Chem.*
J. F. Hayes, B. S., *Asst. Grain Technol.*
Elwood Hoffecker, B. S., *Asst. Grain Technol.*
B. E. Rothgeb, *Chief Sci. Aid.*
Ray Weaver, *Prin. Sci. Aid.*

DIVISION OF DAIRY AND POULTRY PRODUCTS

Roy C. Potts, B. S., *Prin. Mkt. Spec., in charge.*

Dairy and Poultry Economic Investigations:
Gordon W. Sprague, M. S., *Assoc. Agr. Econ.*

Market News Service on Dairy and Poultry Products:
Leon M. Davis, B. S., *Sr. Mkt. Spec.*
B. H. Bennett, M. S., *Assoc. Mkt. Spec.*
Walter J. Venske, B. S., *Assoc. Mkt. Spec.*
FIELD HEADQUARTERS:
California:
Los Angeles:
Almo G. Abell, B. S., *Assoc. Mkt. Spec.* (*Coop. Calif. State Dept. Agr.*).
San Francisco:
Frank H. McCampbell, B. S., *Assoc. Mkt. Spec.* (*Coop. Calif. State Dept. Agr.*).
D. D. Moosman, M. S., *Asst. Mkt. Spec.* (*Coop. Calif. State Dept. Agr.*).
H. G. F. Hamann, B. S., *Agt.* (*Coop. Calif. State Dept. Agr.*).
Illinois—Chicago:
C. L. Pier, B. S., *Sr. Mkt. Spec.*
F. L. McKittrick, B. S., *Jr. Mkt. Spec.*
Floyd R. Simpson, B. S., *Asst. Mkt. Spec.*
Massachusetts—Boston:
N. A. Dakin, B. S., *Assoc. Mkt. Spec.* (*Coop. Mass. State Dept. Agr.*).
New York—New York:
L. F. Champlin, M. S., *Sr. Mkt. Spec.* (*Coop. N. Y. State Bur. Mkts.*).
Lester Kilpatrick, M. S., *Assoc. Mkt. Spec.* (*Coop. N. Y. State Bur. Mkts.*).
Wm. B. S. Woodward, B. S., *Asst. Mkt. Spec.* (*Coop. N. Y. State Bur. Mkts.*).
Oregon—Portland:
R. S. Smith, B. S. A., M. A., *Asst. Mkt. Spec.* (*Coop. Oreg. State Dept. Agr.*).
Pennsylvania—Philadelphia:
Edward Small, B. S., *Assoc. Mkt. Spec.* (*Coop. Pa. State Bur. Mkts.*).
H. A. Rust, M. S., *Asst. Mkt. Spec.* (*Coop. Pa. State Bur. Mkts.*)
C. D. Hadley, B. S., *Agt.* (*Coop. Pa. State Bur. Mkts.*).
Washington—Seattle:
E. R. Johnson, M. S., *Assoc. Mkt. Spec.* (*Coop. Wash. State Dept. Agr.*).

Dairy and Poultry Standardization and Grading Service:

Rob R. Slocum, B. S., *Sr. Mkt. Spec.*
Thos. W. Heitz, *Assoc. Mkt. Spec.*
E. K. Ball, B. S., *Asst. Mkt. Spec.*
FIELD HEADQUARTERS:
California:
Los Angeles:
Almo G. Abell, B. S., *Assoc. Mkt. Spec.* (*Coop. Calif. State Dept. Agr.*).
R. B. Mericle, D. V. M., *Agt.* (*Coop. Calif. State Dept. Agr.*).
San Francisco:
F. H. McCampbell, B. S., *Assoc. Mkt. Spec.* (*Coop. Calif. State Dept. Agr.*).
D. D. Moosman, M. S., *Asst. Mkt. Spec.* (*Coop. Calif. State Dept. Agr.*).
Henry G. F. Hamann, B. S., *Agt.* (*Coop. Calif. State Dept. Agr.*).
Illinois—Chicago:
C. L. Pier, B. S., *Sr. Mkt. Spec.*
G. A. Gilbert, B. S., *Assoc. Mkt. Spec.* (*Coop. Minn. State Dept. Agr.*).
F. L. McKittrick, B. S., *Jr. Mkt. Spec.*
C. E. Edmunds, B. S., D. V. S., *Agt.* (*Coop. Minn. State Dept. Agr. and National Poultry, Butter and Egg Assn.*).
Massachusetts—Boston:
N. A. Dakin, B. S., *Assoc. Mkt. Spec.* (*Coop. Mass. State Dept. Agr.*).
Minnesota:
Duluth:
George W. Hagberg, *Federal-State Butter Grader* (*Coop. Minn. State Dept. Agr.*).
Minneapolis:
C. W. Fryhofer, B. S., *Sr. Mkt. Spec.* (*Coop. Minn. State Dept. Agr.*).
Missouri—St. Louis:
V. G. Vizbara, B. S., *Asst. Mkt. Spec.* (*Coop. Merchants Exchange of St. Louis*).
New York—New York:
L. D. Reekie, *Assoc. Mkt. Spec.* (*Coop. N. Y. State Bur. Mkts.*).
F. W. Folster, *Assoc. Mkt. Spec.* (*Coop. N. Y. State Bur. Mkts.*).
Lester Kilpatrick, M. S., *Assoc. Mkt. Spec.*
L. D. Ives, D. V. S., *Sr. Mkt. Spec.* (*Coop. N. Y. State Bur. Mkts.*).
Oregon—Portland:
R. S. Smith, B. S. A., M. A., *Asst. Mkt. Spec.* (*Coop. Oreg. State Dept. Agr.*).
Pennsylvania—Philadelphia:
Edward Small, B. S., *Assoc. Mkt. Spec.* (*Coop. Pa. State Bur. Mkts.*).
H. A. Rust, M. S., *Asst. Mkt. Spec.* (*Coop. Pa. State Bur. Mkts.*).
C. D. Hadley, B. S., *Agent* (*Coop. Pa. State Bur. Mkts.*).
Washington—Seattle:
E. R. Johnson, M. S., *Assoc. Mkt. Spec.* (*Coop. Wash. State Dept. Agr.*).
S. G. Gustafson, *Agent* (*Coop. Wash. State Dept. Agr.*).

DIVISION OF HAY, FEED, AND SEED

W. A. Wheeler, B. Agr., M. S., *Prin. Mkt. Spec., in charge.*

Market News Service:

Grain, Hay, Feed, Rice, and Hops:
G. A. Collier, *Sr. Mkt. Spec.*
Georgia E. Cantrell, *Assoc. Mkt. Spec.*
Ole A. Negaard, *Assoc. Agr. Econ.*

Seed Reporting Service:

G. C. Edler, B. S., *Sr. Mkt. Spec.*
FIELD HEADQUARTERS:
California:
San Francisco:
Frank L. Lyons, *Assoc. Mkt. Spec.* (*Coop. Calif. Dept. Agr.*).
Los Angeles:
T. J. Cameron, *Agent* (*Coop. Calif. Dept. Agr.*).
Colorado—Denver:
E. A. Hill, *Assoc. Mkt. Spec.*
Georgia—Atlanta:
A. D. Harlan, *Assoc. Mkt. Spec.*

Seed Reporting Service—Continued.

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Illinois—Chicago:
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Minnesota—Minneapolis:
W. R. Kuehn, *Assoc. Mkt. Spec.*
Missouri—Kansas City:
D. E. Rogers, *Assoc. Mkt. Spec.*
Oregon—Portland:
C. F. Huffman, *Assoc. Mkt. Spec.*

Standardization Research:

Hay, Straw, and Alfalfa Meal:
W. H. Hosterman, M. S., *Assoc. Mkt. Spec.*
W. L. Hall, A. B., M. S., *Assoc. Feed Technol.*
Beans, Peas, and Soybeans:
J. E. Barr, *Mkt. Spec.*
Judson A. Thompson, M. S., *Jr. Agron.*

Marketing Investigations:

Hay and Feed:
G. A. Collier, *Sr. Mkt. Spec.*
Seed:
G. C. Edler, B. S., *Sr. Mkt. Spec.*
Beans, Peas, and Soybeans:
J. E. Barr, *Mkt. Spec.*

Inspection Service:

Hay and Straw:
W. A. Wheeler, B. Agr., M. S., *Prin. Mkt. Spec.*
W. M. King, *Asst. Mkt. Spec.*
C. F. Welsh, LL. B., *Asst. Mkt. Spec.*
Seed Verification:
G. C. Edler, B. S., *Sr. Mkt. Spec.*
M. H. Hess, *Asst. Mkt. Spec.*
Beans, Peas, and Soybeans:
J. E. Barr, *Mkt. Spec.*
Judson A. Thompson, M. S., *Jr. Agron.*
FIELD HEADQUARTERS:
California:
Los Angeles:
J. A. LeRoy, *Assoc. Mkt. Spec.*
San Francisco:
J. F. Welch, *Assoc. Mkt. Spec.*
Colorado—Denver:
E. A. Hill, *Assoc. Mkt. Spec.*
Georgia—Atlanta:
A. D. Harlan, *Assoc. Mkt. Spec.*
Illinois—Chicago:
H. H. Whiteside, *Assoc. Mkt. Spec.*
Minnesota—Minneapolis:
W. R. Kuehn, *Assoc. Mkt. Spec.*
Missouri—Kansas City:
W. R. Crispin, B. S., *Assoc. Mkt. Spec.*
Montana—Great Falls:
R. W. Skelton, *Assoc. Mkt. Spec.*
Oregon—Portland:
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G. M. Warren, B. S. in C. E., *Assoc. Hydraulic Engin.*
W. V. Hukill, B. S. in M. E., *Assoc. Mech. Engin.*
M. J. LaRock, B. S. in A. E., *Asst. Archt. Engin.*
J. R. McCalmont, B. S. in A. E., *Asst. Agr. Engin.*
C. F. Kelly, B. S. in A., M. S. in A. E., *Jr. Agr. Engin.*
FIELD HEADQUARTERS:
Maine—Presque Isle.
A. D. Edgar, B. S. in A. E., *Assoc. Agr. Engin.*
Maryland—Baltimore:
A. H. Senner, B. Engr., *Assoc. Mech. Engin.*

DIVISION OF PLANS AND SERVICE

M. C. Betts, *Chief.*
J. E. Miller, *Sr. Archt.*
J. T. Bowen, B. S. in E. E., *Sr. Elec. Engin.*
H. A. Magnuson, *Asst. Archt. Engin.*

EXTENSION ACTIVITIES

S. P. Lyle, M. S. in A. E., *Sr. Agr. Engin.*

FARM OPERATING EFFICIENCY INVESTIGATIONS

George R. Boyd, B. S. in C. E., *Asst. Chief of Bur.*
George R. Shier, B. S. in A. E., *Jr. Agr. Engin.*
FIELD HEADQUARTERS:
Minnesota—St. Paul:
N. A. Kessler, B. S. in Forestry, *Assoc. Land-Clearing Spec.*
Tennessee—Memphis:
O. M. Page, B. S. in C. E., *Agr. Engin.*

COTTON GINNING INVESTIGATIONS

(Hdqrs., Stoneville, Miss.)
Chas. A. Bennett, B. S. in M. E., *Sr. Mech. Engin. in charge.*
FIELD HEADQUARTERS:
Mississippi—Stoneville:
Chas. A. Bennett, B. S. in M. E., *Sr. Mech. Engin.*
V. L. Stedronsky, B. S. in M. E., *Jr. Mech. Engin.*

BUREAU OF ANIMAL INDUSTRY

John R. Mohler, A. M., V. M. D., D. Sc., *Chief.*
A. W. Miller, D. V. S., *Asst. Chief.*

ADMINISTRATIVE DIVISION

Business Offices:
John R. Cohran, *Chief Clerk.*
Harry Goding, LL. B., *Atty.*
R. S. Allen, *Asst. in Exhibits.*
Mary F. Thompson, A. B., *Asst. Libr.*
George R. Brown, *Asst. in charge of Personnel.*
Harry E. Moran, *Chief, Budget and Fiscal.*
Arthur Carson, *Asst. Chief, Budget and Fiscal.*
George F. Tucker, *Head Auditor.*
Harry L. Watson, A. B., LL. B., *Asst. in charge of Property and Supplies.*
Charles R. Barnett, *Asst. in charge of Mails and Files.*

Editorial and Agricultural Information:
Dallas S. Burch, B. S. A., *Agr. Ed., in charge, Asst. to Chief.*
Ralph Erskine, B. S., *Agr. Writer.*
Ada L. Smith,* A. B., *Jr. Admin. Asst.*

ANIMAL DISEASE STATION

BELTSVILLE RESEARCH CENTER, BELTSVILLE, MD.)

W. E. Cotton, D. V. M., *Prin. Vet., Supt.*
John M. Buck, D. V. M., *Sr. Bact., Asst. Supt.*
Howard E. Smith, D. V. M., *Assoc. Vet.*
A. B. Crawford, D. V. M., *Asst. Vet.*
P. H. Hartman, V. M. D., *Jr. Vet.*

ANIMAL HUSBANDRY DIVISION

H. C. McPhee, M. S., Sc. D., *Prin. An. Husb., Chief.*
D. A. Spencer, B. S., *Sr. An. Husb., Asst. Chief.*
William Jackson, B. S. A., *Assoc. An. Husb., Asst. to Chief.*
Thomas H. Bartilson, B. S., *Assoc. An. Husb.*
W. A. Stenhouse, *Prin. Photographer.*
Barbara F. Glessing, A. B., *Prin. Translator.*
Jessie Urner, B. C. S., *Jr. Libr. Asst.*

Beef and Dual-Purpose Cattle:

Chief of Div. in charge.
W. H. Black, B. S., *Sr. An. Husb., in charge beef-cattle inves.*
E. W. McComas, B. S., *Assoc. An. Husb.*
A. C. Cook, M. S., *Assoc. An. Husb.*
Glenn L. Barnum, B. S., *Jr. Chem.*

Swine:

O. G. Hankins, B. S., *Sr. An. Husb , in charge.*
E. Z. Russell, *Sr. An. Husb.*
J. H. Zeller, B. S., *Assoc. An. Husb.*
R. W. Riemenschneider, A. B., M. S., *Jr. Chem (nutrition).*

Sheep, Goats, and Animal Fibers:

D. A. Spencer, B. S., *Sr. An. Husb., in charge.*
J. I. Hardy, M. S. A., Ph. D., *Sr. An. Husb.*
C. G. Potts, B. S., *An. Husb.*
A. K. Besley, M. S., Ph. D., *Assoc. Bacteriol.*
Imogene P. Earle,* M. A., Ph. D., *Assoc. Biochem. (nutrition).*
Mary B. Potts,* A. B., *Asst. An. Husb.*
V. L. Simmons, B. S., *Jr. An. Husb.*
J. O. Grandstaff, B. S., *Jr. An. Fiber Technol.*
David Miller, B. S., M. A., *Jr. Chem. (nutrition).*

Horses and Mules:

J. O. Williams, B. S. A., *Sr. An. Husb., in charge.*
S. R. Speelman, B. S. A., *Assoc. An. Husb.*
L. M. Dean, *Sr. Sci. Aid.*

Poultry:

M. A. Jull, M. Sc., Ph. D., *Sr. Poul. Husb., in charge.*
T. C. Byerly, M. S., Ph. D., *Physiol. (hatchability).*
H. W. Titus, A. M., Ph. D., *Biol. Chem. (nutrition).*
H. G. Barott, E. E., *Poultry Technol. (physics of incubation).*
A. R. Lee, B. S., *Assoc. Poultry Husb.*
James C. Fritz, B. S., *Jr. Biol. (nutrition).*
H. M. Harshaw, M. S., Ph. D., *Asst. Biochem. (nutrition).*
A. B. Godfrey, B. S., *Jr. Poultry Husb. (breeding).*
John C. Hammond, Jr., B. S., *Jr. Biol. (nutrition).*
W. A. Hendricks, A. B., *Jr. Biol. (nutrition).*
E. McNally, B. S., *Jr. Biol. (hatchability).*
Ralph B. Nestler, B. S., *Jr. Biol. (nutrition).*
Marlow W. Olsen, M. S., *Jr. Biol. (hatchability).*
John M. Spadola, A. M., *Jr. Chem. (nutrition).*
J. P. Quinn, A. B., *Chief Sci. Aid (breeding).*
S. K. Haynes, *Chief Sci. Aid.*
Emma M. Pringle,* *Asst. Sci. Aid (physics of incubation).*
W. R. Kauffman, *Lab. Aid (nutrition).*

Genetics:

C. W. Knox, M. S., Ph. D., *Poultry Geneticist.*
O. N. Eaton, M. S., *Assoc. An. Husb.*
I. L. Towers, M. Sc., *Lab. attendant.*

NOTE.—Workers in genetics are listed under various sections.

Nutrition:

Paul E. Howe, M. A., Ph. D., *Sr. Chem., in charge.*
N. R. Ellis, B. A., M. S., *Chem.*
H. W. Titus, A. M., *Biol. Chem. (poultry).*
G. H. Kennedy, A. B., *Jr. Biol.*
Russell E. Davis, B. S., Ph. D., *Asst. Biochem. (nutrition).*

Meat:

O. G. Hankins, B. S., *Sr. An. Husb., in charge.*
K. F. Warner, A. B., M. S., *An. Husb. (in coop. with Off. of Coop. Ext. Work).*
W. H. Burrows, *Med. Tech. (Vet.).*

NOTE.—Workers in nutrition are listed under various sections.

Meat—Continued.

N. G. Barbella, A. B., M. S., *Assoc. Biochem.*
R. L. Hiner, B. S., *Jr. An. Husb.*
A. K. Besley, M. S., Ph. D., *Assoc. Bacteriol.*
Herbert N. Baker, B. S., *Asst. An. Husb.*
Nancy Griswold Clark,* A. B., *Jr. Home Econ. Spec. (in coop. with Bur. of Home Econ.).*
Gladys Leavell, M. S., Ph. D., *Jr. Chem. (nutrition).*
W. R. Kauffman, *Lab. Aid (nutrition).*

Pasture and Forage Investigations:

A. T. Semple, B. S., *Assoc. An. Husb., in charge.*

Extension:

C. D. Lowe, D. V. M., *Sr. Ext. An. Husb. (in coop. with Div. of Coop. Ext.).*
H. L. Shrader, B. S., *Sr. Ext. Poultry Husb. (in coop. with Div. of Coop. Ext.).*
K. F. Warner, B. A., M. S., *An. Husb. (in coop. with Div. of Coop. Ext.).*
E. Z. Russell, *Sr. An. Husb. (in coop. with State and other agencies).*

Animal Husbandry Experiment Station, Beltsville, Md. (beef and dual-purpose cattle, swine, sheep, goat, poultry, horse, meat, milk, and animal fiber inv., supervised by chief of div. and heads of respective sections):

T. H. Bartilson, B. S., *Assoc. An. Husb., Acting Supt.*

NOTE.—Technical workers assigned to Beltsville are listed under various sections.

FIELD STATIONS:

Arizona—Glendale (Southwest Poultry Exp. Sta.):
B. W. Heywang, B. S. A., *Assoc. Poultry Husb., in charge.*
R. B. Morgan, B. S., *Jr. Poultry Husb.*
Florida:
Belle Glade (beef and dual-purpose cattle inves., in coop. with Univ. of Fla.):
R. W. Kidder, B. S., *Agt. in An. Husb.*
Brooksville (Chinsegut Hill Sanctuary; beef and dual-purpose cattle, and related livestock inv. in coop. with Univ. of Fla.):
W. F. Ward, M. S., *Agt. in An. Husb. (coop.), in charge.*
M. E. Hammond, *Agt. in An. Husb. (coop.).*
Gainesville (beef and dual-purpose cattle inv. in coop. with Univ. of Fla.):
Bradford Knapp, Jr., M. S., *Asst. An. Husb., in charge.*

NOTE.—Cooperation is maintained at branch stations at Belle Glade, Quincy, and other locations.

Georgia:
Athens (beef cattle inv. in coop. with Ga. State. Coll. of Agr.):
C. G. Garner, B. S., *Agt. in An. Husb.*
L. H. Marlatt, *Agt. in An. Husb.*
Tifton (beef cattle inv. in coop. with Bur. of Pl. Ind. and Ga. Coastal Plain Expt. Sta.).
S. H. Starr, B. S., *Agt. in An. Husb. (coop.).*
B. L. Southwell, M. S. A., *Agt. in An. Husb. (coop.).*
J. G. Whigham, *Agt. in An. Husb. (coop.).*
Idaho—Dubois (U. S. Sheep Expt. Sta.):
J. M. Cooper, B. S., *Assoc. An. Husb., in charge.*
John A. Stoehr, B. S., *Asst. An. Husb.*
Louisiana:
Baton Rouge (beef cattle inv. in coop. with La. A. and M. Coll.):
W. T. Cobb, B. S., *Agt. in An. Husb. (coop.).*
Jeanerette (Iberia Livestock Expt. Farm; beef cattle, pasture, forage-crop, swine, and mule inves., in coop. with Bur. of Pl. Ind., Bur. of Dairy Ind., Bur. Agr. Engn., and La. Expt. Sta.):
W. R. Dodson, B. S., A. B., *Agt. in An. Husb. in charge.*
C. W. Edwards, B. S., *Assoc. An. Husb.*
S. L. Cathcart, B. S. A., *Agt. in Dairying (coop.).*

NOTE.—Technical workers in dairying, pasture and forage-crop production, and agricultural engineering are listed under their respective bureaus.

Animal Husbandry, etc.—Continued.

FIELD STATIONS—Continued.

Mississippi:
A. and M. Coll. (beef cattle inv. in coop. with Miss. Agr. Exp. Sta.):
J. R. Ricks, M. S., *Agt. in An. Husb.*
McNeill (Coastal Plain Exp. Sta.; beef cattle, swine, and sheep inv., in coop. with Miss. Expt. Sta.):
S. W. Greene, B. S. A., M. S., *Assoc. An. Husb. (coop.) in charge.*
H. I. Harris, B. S. A., *Agt. in An. Husb. (coop.).*
H. R. Reed, *Asst. Agron.*

Missouri:
Grain Valley (beef and dual-purpose cattle and pasture invest, in coop. with Bur. of Pl. Ind. and Mo. Exp. Sta.):
M. W. Hazen, M. S., *Jr. An. Husb.*

Montana—Miles City (U. S. Range Livestock Exp. Sta.; beef and dual-purpose cattle, sheep, swine, horse, range, and poultry inv., in coop. with Mont. Expt. Sta.):
J. R. Quesenberry, B. S. A., M. S., *Sr. An. Husb., in charge.*
A. L. Baker, B. S., *Asst. An. Husb.*
R. E. Hutton, B. S. A., *Asst. An. Husb.*
S. L. Smith, B. S., *Asst. An. Husb.*
E. B. Osborn, D. V. M., M. S., *Jr. An. Husb.*
S. J. Marsden, B. S., *Assoc. Poultry Husb.*

North Carolina:
Raleigh (beef-cattle invest in coop. with N. C. State College of Agr.):
E. H. Hostetler, B. S. A., M. S., *Agt. in An. Husb.*
L. I. Case, M. S., *Agt. (coop.).*
Wenona (beef-cattle invest. in coop. with N. C. State Coll. of Agr. and State Dept. of Agr.):
J. L. Rea, Jr., B. S., *Agt. (coop.).*
Willard (beef and milk production in dual-purpose cattle):
F. E. Miller, B. S., *Agt. (coop.* State Dept. Agr. and N. C. S. Coll.,) *in charge.*
T. H. Cameron, *Agt.* (coop. State).

South Carolina (beef cattle, swine and pasture invest. in coop. with Clemson Agr. Coll.)
Clemson College:
E. D. Kyzer, B. S., *Agt. in An. Husb. (coop.)*
Columbia:
J. R. Hawkins, M. S., *Agt. (coop.* State)
Summerville:
T. M. Clyburn, B. S., *Agt. (coop* State).

South Dakota—Ardmore (beef-cattle range, and swine invest.):
Verner I. Clark, *Sci. Aid.*

Texas:
Big Spring (beef-cattle invest. in coop. with Bur. of Pl. Ind. and Tex. Expt. Sta.):
Fred E. Keating, B. S., *Assoc. Agron.* (Bur. of Pl. Ind.) *in charge.*
College Station (beef cattle and meat invest. in coop. with Tex. A. and M. Coll. and Tex. Expt. Sta.):
J. M. Jones, M. A., *Consult. An. Husb., Chief Div. of Range An. Husb., Tex. Expt. Sta., in charge.*

NOTE.—Cooperation is maintained at the Tex. State branch stations.

Vermont—Middlebury (Morgan Horse Farm; horse, sheep, beef and dual-purpose cattle, and pasture invest.):
E. B. Krantz, B. S. A., M. S., *Assoc. An. Husb., in charge.*

West Virginia—Lewisburg (beef-cattle invest. in coop. with W. Va. Expt. Sta.):
R. H. Tuckwiller, B. S., *Agt. in An. Husb., in charge.*

BIOCHEMIC DIVISION

Robert M. Chapin, B. A., *Prin. Biochem., Chief.*
Robert R. Henley, M. S., *Sr. Biochem., Asst. Chief.*

Chemical Investigations Dips and Disinfectants:
Robert M. Chapin, B. A., *Prin. Biochem.*
Percy W. LeDuc, A. B., *Assoc. Chem.*

Investigations of Hog Cholera (Washington, D. C.):
Chief of Div. in charge:
Frank W. Tilley, A. B., M. D., *Sr. Bact.*
Angus D. MacDonald, D. V. M., *Asst. Vet.*
FIELD STATION:
Iowa—Ames:
Charles N. McBryde, M. S., M. D., Ph. D., *Bact., in charge.*
C. G. Cole, D. V. M., *Asst. Vet.*

Chemical Investigations Toxins and Antitoxins:
Robert R. Henley, M. S., *Sr. Biochem.*
Percy W. LeDuc, A. B., *Assoc. Chem.*
Angus D. MacDonald, D. V. M., *Asst. Vet.*

Meat Inspection Research:
Value of different tissues for food:
Ralph Hoagland, B. Agr., *Sr. Biochem.*
Wilmer C. Powick, B. S., *Sr. Biochem.*
G. G. Snider, A. B., *Sr. Sci. Aid.*

Investigation of Relation Between Chemical Structure and Parasiticidal Power (In coop. with Zoological Div.):
Jacob M. Schaffer, M. S., *Sr. Chem.*

Chemical and Bacteriological Investigations of Antigens (In coop. with Path. Div.):
Jacob M. Schaffer, M. S., *Sr. Chem.*
Angus D. MacDonald, D. V. M., *Asst. Vet.*

Bacteriological Investigations Disinfectants:
Frank W. Tilley, A. B., M. D., *Sr. Bact.*

Preparation and Distribution Tuberculin and Mallein:
Percy W. LeDuc, A. B., *Assoc. Chem.*
Albert M. West, B. S., *Asst. Bact.*
Angus D. MacDonald, D. V. M., *Asst. Vet.*
Joseph W. Etheridge, D. V. M., *Jr. Vet.*
Oscar H. Griffith, *Under Sci. Helper.*

FIELD INSPECTION DIVISION

G. W. Pope, D. V. S., *Prin. Vet., Chief.*
S. O. Fladness, D. V. M., *Sr. Vet., Asst. Chief.*

International Inspection and Quarantine:
FIELD STATIONS:
Arizona—Phoenix:
A. R. Zumwalt, D. V. M., *Assoc. Vet., Insp. in charge.*
H. L. Box, D. V. S., *Asst. Vet.*
H. E. Galbreath, D. V. M., *Jr. Vet.*
California:
Calexico:
J. C. Pace, D. V. S., *Asst. Vet., Insp. in charge.*
Los Angeles:
E. D. Kennedy, D. V. S., *Vet., Insp. in charge.*
San Diego:
L. C. Butterfield, M. D. C., *Assoc. Vet., Insp. in charge.*
San Francisco:
Meier Brodner, D. V. S., *Vet., Insp. in charge.*
H. H. Hicks, M. D. V., *Asst. Vet.*
England—London:
T. P. White, D. V. S., *Sr. Vet., Insp. in charge.*
Florida—Jacksonville:
T. W. Cole, D. V. M., *Vet., Insp. in charge.*
Louisiana—New Orleans:
B. F. Gooch, D. V. S., *Assoc. Vet., Insp. in charge.*

International Inspection and Quarantine—Con.

FIELD STATIONS—Continued.

Maine:
- Calais:
  - R. D. Hyde, D. V. M., *Asst. Vet., Insp. in charge.*
- Houlton:
  - I. H. Kaufman, D. V. M., *Asst. Vet., Insp. in charge.*
- Portland:
  - D. D. Callahan, *Prin. Lay Insp., in charge.*

Maryland—Baltimore:
- R. W. Culbert, M. D. V., *Sr. Vet., Insp. in charge.*

Massachusetts—Boston:
- R. F. Vermilya, D. V. M., *Sr. Vet., Insp. in charge.*

Michigan—Detroit:
- C. E. Mootz, D. V. M., *Vet., Insp. in charge.*

Montana—Helena:
- J. W. Murdoch, D. V. S , *Assoc. Vet., Insp. in charge.*
- W. E. Logan, D. V. M., *Asst. Vet.*

New Jersey—Clifton:
- James Fleming, V. S., M. D., *Sr. Vet., Insp. in charge.*

New York:
- Albany:
  - J. J. Martin, D. V. M., *Assoc. Vet., Insp. in charge.*
- Buffalo:
  - B. J. Stockler, D. V. M., *Vet., Insp. in charge.*
  - B. P. Wende, V. S., *Assoc. Vet.*
  - B. R. Wilbur, D. V. M., *Vet. Insp.* (*coop. Cattaraugus County*).
- Ogdensburg:
  - C. O. Benson, D. V. S., *Asst. Vet., Insp. in charge.*
- Rouses Point:
  - D. G. Shumway, V. D. M., *Asst. Vet., Insp. in charge.*
- Watertown:
  - L. N. Dodge, D. V. M., *Agt., Insp. in charge.*

North Dakota—Bismarck:
- H. H. Cohenour, M. D. V., *Assoc. Vet., Insp. in charge.*

Oregon—Portland:
- P. P. Taylor, D. V. M., *Assoc. Vet., Insp. in charge.*

Pennsylvania—Philadelphia:
- C. J. Millen, D. V. M., *Sr. Vet., Insp. in charge.*

Puerto Rico—San Juan:
- Francisco Menendez Guillot, V. M. D., *Agt. in charge.*

Texas:
- El Paso:
  - S. V. Ewers, D. V. S., *Assoc. Vet., Insp. in charge.*
- Houston:
  - D. B. Strickler, D. V. M., *Assoc. Vet., Insp. in charge.*
- San Antonio:
  - Wm. Thompson, M. D. C., *Assoc. Vet., Insp. in charge.*
  - N. E. Dutro, D. V. S., *Asst. Vet.*
  - J. S. Oldham, D. V. M., *Asst. Vet.*
  - W. E. Turner, D. V. M., *Asst. Vet.*

Vermont:
- Newport:
  - J. E. Spindler, D. V. M., *Asst. Vet., Insp. in charge.*
- St. Albans:
  - A. Berdan, D. V. S., *Asst. Vet., Insp. in charge.*

Virginia—Norfolk:
- J. M. Harris, *Prin. Lay Insp. in charge.*

Washington:
- Seattle:
  - A. S. Martin, D. V. M., *Assoc. Vet., Insp. in charge.*
- Spokane:
  - J. A. Zimmerman, D. V. S., *Assoc. Vet., Insp. in charge.*
- Tacoma:
  - A. N. McGregor, D. V. M., *Assoc. Vet., Insp. in charge.*

Scabies and Dourine Eradication:

California—Sacramento:
- W. E. Howe, V. S., D. V. M., *Assoc. Vet., Insp. in charge.*
- C. J. Cook, D. V. M., *Asst. Vet.*
- Chas. Pearson, D. V. S., *Asst. Vet.*
- D. E. Settle, D. V. S., *Asst. Vet.*

Colorado—Denver:
- A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
- E. Heiny, D. V. M., *Asst. Vet.*
- C. C. Robenstein, D. V. M., *Asst. Vet.*
- G. R. Teeple, V. S., *Asst. Vet.*
- C. Webster, D. V. M., *Asst. Vet.*

Iowa—Des Moines:
- E. A. Corbin, M. D. C., *Asst. Vet.*

Kansas—Topeka:
- N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*
- P. M. James, D. V. M., *Asst. Vet.*
- P. I. Kershner, D. V. M., *Asst. Vet.*

Kentucky—Frankfort:
- W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*
- Warren Sorrell, D. V. S., *Asst. Vet.*

Louisiana—Baton Rouge:
- W. A. McDonald, D. V. M., *Assoc. Vet., Insp. in charge.*

Montana—Helena:
- J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*
- W. E. Logan, D. V. M., *Asst. Vet.*
- L. E. Patton, D. V. M., *Asst. Vet.*

Nebraska—Lincoln:
- J. O. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
- S. P. Bolstad, D. V. M., *Asst. Vet.*
- F. C. Swaney, M. D. C., *Asst. Vet.*

Nevada—Reno:
- R. A. Given, D. V. M., *Assoc. Vet., Insp. in charge.*
- W. E. Dodsworth, D. V. M., *Jr. Vet.*

New Mexico—Albuquerque:
- F. L. Schneider, B. S., D. V. S., *Sr. Vet., Insp. in charge.*
- T. W. Crump, D. V. S., *Asst. Vet.*
- C. A. Curtis, D. V. S., *Asst. Vet.*
- J. L. Flanigan, D. V. M., *Asst. Vet.*
- M. A. Harp, D. V. M., *Asst. Vet.*
- E. P. Johnson, M. D. V., *Asst. Vet.*
- H. E. Kemper, D. V. M., *Assoc. Vet.*
- F. H. Sharp, D. V. M., *Jr. Vet.*

North Dakota—Bismarck:
- H. H. Cohenour, M. D. V., *Assoc. Vet., Insp. in charge.*

Oklahoma—Oklahoma City:
- L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
- W. F. Dunaway, D. V. S., *Asst. Vet.*

South Dakota—Pierre:
- C. H. Hays, D. V. M., *Assoc. Vet., Insp. in charge.*
- G. W. Cronen, D. V. M., *Asst. Vet.*
- C. C. Heacock, V. S., *Asst. Vet.*

Texas—Fort Worth:
- H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
- W. A. Curtis, D. V. S., *Asst. Vet.*
- J. G. Porter, V. M. D., *Asst. Vet.*

Utah—Salt Lake City:
- F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*
- W. T. Huffman, M. D. V., *Asst. Vet.*

Washington—Olympia:
- J. C. Exline, M. D. V., *Assoc. Vet., Insp. in charge.*
- F. A. Barber, D. V. M., *Asst. Vet.*
- G. T. Casper, M. D. V., *Asst. Vet.*

Wyoming—Cheyenne:
- W. A. Sullivan, M. D. V., *Assoc. Vet., Insp. in charge.*
- C. E. Burkholder, D. V. S., *Asst. Vet.*
- J. H. Shoemaker, D. V. M., *Asst. Vet.*

MEAT INSPECTION DIVISION

A. J. Pistor, D. V. S., *Prin. Vet., Chief.*
W. C. Herrold, V. S., *Sr. Vet., Asst. chief.*
E. C. Joss, B. S., M. D. C., *Sr. Vet., Asst. chief.*
W. H. Smith, Jr., V. M. D., *Sr. Vet., in charge of special work.*

D. R. Gillies, V. S., M. D., *Sr. Vet., in charge of Label Section.*
G. H. Shaw, C. E., *Sr. Archt. Engr.*
R. H. Kerr, B. S., *Sr. Chem., in charge of Meat Insp. Labs.*
S. Deutsch, B. S., C. E., *Assoc. Sanitary Engr.*
H. R. McMillin, B. S., *Assoc. Chem.*
R. M. Mehurin, B. S., *Assoc. Chem.*
W. C. McVey, A. B., *Jr. Chem.*
A. E. Harris, *Prin. Clerk in charge of meat insp. records.*

FIELD STATIONS:
Alabama:
Birmingham:
O. E. Barth, M. D. C., *Assoc. Vet., Insp. in charge.*
T. S. Hopkins, D. V. M., *Jr. Vet.*
Montgomery:
F. M. Welch, D. V. M., *Asst. Vet., Insp. in charge.*
Tuscaloosa:
Roy Avant, D. V. M., LL. B., *Asst. Vet., Insp. in charge.*
Arizona—Phoenix:
A. R. Zumwalt, D. V. M., *Assoc. Vet., Insp. in charge.*
Arkansas—Fort Smith:
R. A. Wight, *Prin. Lay. Insp., in charge.*
California:
Los Angeles:
E. D. Kennedy, D. V. S., *Vet. Insp., in charge.*
H. A. Allen, D. V. M., *Jr. Vet.*
R. N. Ashley, D. V. M., *Asst. Vet.*
J. E. Bard, D. V. S., *Asst. Vet.*
E. P. Durham, D. V. M., *Asst. Vet.*
J. E. Ewers, D. V. S., *Asst. Vet.*
S. M. Fields, M. D. C., *Asst. Vet.*
G. E. Golden, M. D. V., *Asst. Vet.*
H. H. Hervey, D. V. M., *Asst. Vet.*
D. S. Kay, D. V. S., M S., *Asst. Vet.*
C. F. Kellogg, D. V. S., *Asst. Vet.*
H. L. Kilhoffer, D. V. M., *Jr. Vet.*
A. R. Koen, D. V. S., *Asst. Vet.*
R. A. McFarland, D. V. M., *Asst. Vet.*
R. J. Robertson, D. V. M., *Asst. Vet.*
San Diego:
L. C. Butterfield, M. D. C., *Assoc. Vet., Insp. in charge.*
G. R. Curtis, D. V. M., *Asst. Vet.*
C. A. Milner, D. V. S., *Asst. Vet.*
San Francisco:
M. Brodner, D. V. S., *Vet., Insp. in charge.*
I. J. Anderson, D. V. M., *Asst. Vet.*
P. J. Cass, M. D. V., *Asst. Vet.*
E. F. Erfurth, D. V. S., *Asst. Vet.*
H. H. Hicks, M. D. V., *Asst. Vet.*
J. H. Hogan, D. V. M., *Jr. Vet.*
H. O. Mantor, D. V. M., *Asst. Vet.*
S. R. Parker, V. M. D., *Jr. Vet.*
R. S. Shannon, D. V. M., *Jr. Vet.*
C. L. Wrinkle, D. V. M., *Jr. Vet.*
A. E. Graham, Ph. B., *Assoc. Lab. Insp. in charge of Lab.*
W. C. Owens, A. B., *Asst. Chemist.*
Colorado:
Denver:
B. F. Gooch, D. V. S., *Assoc. Vet., Insp. in charge.*
C. M. Chase, D. V. M., *Asst. Vet.*
W. A. Decker, D. V. M., *Asst. Vet.*
W. D. Fountain, D. V. M., *Asst. Vet.*
R. F. Gard, D. V. S., *Asst. Vet.*
W. E. Logan, D. V. M., *Asst. Vet.*
P. S. Moe, D. V. M., *Jr. Vet.*
S. R. Nichols, D. V. M., *Asst. Vet.*
W. Pierret, D. V. M., *Asst. Vet.*
H. L. Shorten, D. V. S., *Asst. Vet.*
R. M. Williams, D. V. M., *Asst. Vet.*
Pueblo:
A. E. Evans, M. D. C., *Assoc. Vet., Insp. in charge.*
F. W. Blamey, D. V. M., *Asst. Vet.*
Connecticut:
Bridgeport:
James E. Standing, *Prin. Lay Insp., in charge.*
Hartford:
C. D. Sherman, *Sr. Lay Insp., in charge.*
New Haven:
S. A. Selby, D. V. S., *Asst. Vet., Insp. in charge.*
R. A. Moonan, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued
Delaware—Wilmington:
C. S. Rockwell, V. M. D., *Assoc. Vet., Insp. in charge.*
C. A. Schuler, D. V. M., *Asst. Vet.*
District of Columbia—Washington:
L. T. Hopkins, D. V. M., *Assoc. Vet., Insp. in charge.*
F. E. Davis, D. V. S., *Asst. Vet.*
R. K. Miller, D. V. S., *Asst. Vet.*
A. F. Paul, Jr., D. V. M., *Asst. Vet.*
Florida—Jacksonville:
H. R. Collins, D. V. S., *Assoc. Vet., Insp. in charge.*
F. W. Beck, V. M. D., *Asst. Vet.*
Georgia:
Atlanta:
J. H. Byerley, D. V. M., *Assoc. Vet., Insp. in charge.*
D. W. Coppinger, D. V. M., *Jr. Vet.*
S. H. Exley, D. V. M., *Jr. Vet.*
Augusta:
Herbert Bryan, D. V. M., *Assoc. Vet., Insp in charge.*
J. R. Farr, D. V. M., *Jr. Vet.*
C. S. Lemon, D. V. S., *Asst. Vet.*
Columbus:
A. D. Moore, D. V. M., *Asst. Vet., Insp. in charge.*
Moultrie:
G. D. Mitchell, D. V. M., *Assoc. Vet., Insp. in charge.*
S. D. Hobbs, D. V. M., *Asst. Vet.*
W. H. Hudson, D. V. M., *Asst. Vet.*
Hawaii—Honolulu:
L. Bilikam, D. V. M., *Vet. Insp., in charge.*
A. H. Julien, V. S., *Assoc. Vet.*
Idaho:
Boise:
A. J. Creely, D. V. M., *Asst. Vet., Insp. in charge.*
W. E. Neary, D. V. M., *Asst. Vet.*
Lewiston:
C. A. Johnston, D. V. S., *Assoc. Vet., Insp. in charge.*
I. L. Nebecker, D. V. M., *Jr. Vet.*
Moscow:
Ivan L. Barstow, D. V. M., *Asst. Vet., Insp. in charge.*
Sandpoint:
W. R. McCall, D. V. M., *Asst. Vet., Insp. in charge.*
Illinois:
Chicago:
G. E. Totten, M. D. C., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
E. Himsel, D. V. M., *Assoc. Vet., Asst. Insp. in charge.*
J. J. Hayes, D. V. M., *Sr. Vet., Supervising and Traveling Insp.*
G. A. Ahrens, D. V. M., *Asst. Vet., Supvr.*
D. F. Eggers, M. D. V., *Asst. Vet., Supvr.*
F. O. Kieldsen, D. V. M., *Asst. Vet., Supvr.*
D. A. La Mar, D. V. M., *Jr. Vet., Supvr.*
J. A. Sullivan, D. V. M., *Asst. Vet., Supvr.*
C. A. Ward, D. V. M., *Asst. Vet., Supvr.*
N. W. Ackerman, D. V. M., *Jr. Vet.*
O. Aldrich, D. V. M., *Asst. Vet.*
P. M. Aldrich, V. S., D. V. M., *Jr. Vet.*
G. L. Allen, D. V. M., *Jr. Vet.*
A. L. Bailey, D. V. M., *Jr. Vet.*
W. W. Barlow, D. V. M., B. S. A., *Asst. Vet.*
F. L. Bartlett, D. V. M., *Jr. Vet.*
R. C. Bissell, D. V. M., *Jr. Vet.*
H. D. Bradshaw, D. V. M., *Jr. Vet.*
J. L. Campbell, D. V. M., *Asst. Vet.*
G. D. Chandler, D. V. M., *Asst. Vet.*
F. L. Chastian, D. V. M., *Jr. Vet.*
R. C. Chatman, D. V. M., B. S., *Asst. Vet.*
L. J. Cook, D. V. M., *Asst. Vet.*
M. L. Cravens, D. V. M., *Jr. Vet.*
R. H. Crowell, D. V. M., *Jr. Vet.*
W. H. Davenport, D. V. M., *Asst. Vet.*
C. H. Deisel, D. V. M., *Asst. Vet.*
John Dickson, D. C. M., *Asst. Vet.*
C. E. Dimon, D. V. M., *Jr. Vet.*
A. F. Eckert, V. S., *Jr. Vet.*
H. K. Edmondson, D. V. M., *Jr. Vet.*
J. A. Ellens. D. V. M., *Jr. Vet.*
H. J. Fickensher, D. C. M., *Asst. Vet.*

FIELD STATIONS—Continued.
Illinois—Continued.
Chicago—Continued
R. J. Flanagan, D. V. M., *Asst. Vet.*
W. A. German, D. V. M., B. S., *Jr. Vet.*
F. S. Graziadei, D. V. M., *Jr. Vet.*
G. G. Gregory, D. V. M., *Asst. Vet.*
H. P. Hartzell, D. V. M., *Jr. Vet.*
L. W. Head, M. D. C., *Asst. Vet.*
H. H. Horn, D. V. M., *Asst. Vet.*
E. H. Ingold, D. V. M., *Jr. Vet.*
E. M. Johnson, D. V. M., B. S., *Asst. Vet*
J. A. Johnson, D. V. M., *Jr. Vet.*
A. G. Johnston, D. V. M., *Asst. Vet.*
G. J. Kiger, D. V. M., *Jr. Vet.*
O. W. Kirby, D. V. M., *Jr. Vet.*
J. S. Koen, D. V. M., *Asst. Vet.*
Ralph Kolo, D. V. M., *Asst. Vet.*
H. D. Lasher, D. V. M., *Jr. Vet.*
G. J. Lengerich, D. V. M., *Asst. Vet.*
G. M. Lint, D. V. M., *Asst. Vet.*
I. A. Lucas, D. V. M., *Asst. Vet.*
E. E. McDaniel, D. V. M., *Jr. Vet.*
H. K. McIntosh, D. V. M., *Jr. Vet.*
C. A. Mahl, D. V. M., *Jr. Vet.*
C. G. Mampreian, D. V. M., *Asst. Vet.*
F. C. Mau, D. V. M., *Asst. Vet.*
P. J. Meginnis, D. V. M., *Jr. Vet.*
J. J. Merwick, D. V. M., *Asst. Vet.*
I. T. Mock, D. V. M., *Jr. Vet.*
J. A. Molengraft, D. V. M., *Asst. Vet.*
M. D. Moses, D. V. M., *Jr. Vet.*
M. B. Purdy, D. V. S., *Jr. Vet.*
L. M. Putney, D. V. M., *Jr. Vet.*
T. E. Quincy, D. V. M., *Asst. Vet.*
B. R. Rogers, D. V. M., *Jr. Vet.*
M. J. Romine, D. V. M., *Jr. Vet.*
V. W. Routzong, D. V. M., *Asst. Vet.*
W. G. Saunders, D. V. M., *Asst. Vet.*
F. E. Schnelle, D. V. M., B. S., *Jr. Vet.*
H. H. Shearer, D. V. M., *Jr. Vet.*
G. M. Smith, D. V. M., *Asst. Vet.*
J. H. Smyth, D. V. M., *Jr. Vet.*
B. H. Steigleder, D. V. M., *Asst. Vet.*
H. P. Stout, D. V. M., *Jr. Vet.*
H. L. Tate, D. V. M., *Jr. Vet.*
B. W. Taylor, D. V. M., *Asst. Vet.*
M. J. Thomson, D. V. M., *Asst. Vet.*
Israel Wallman, D. V. S., *Asst. Vet.*
Flavus Weaver, D. V. M., *Asst. Vet.*
L. W. West, D. V. M., *Jr. Vet.*
C. L. Whittington, M. D. C., *Jr. Vet.*
C. F. Wilson, D. V. M., *Asst. Vet.*
C. E. Windeler, M. D., V. M. D., *Asst. Vet.*
H. L. Winder, D. V. M., *Jr. Vet.*
C. T. N. Marsh, *Assoc. Chem., in charge of Lab.*
F. B. Hilty, A. B., *Asst. Chem.*
W. F. Schroeder, B. S., *Asst. Chem.*
S. L. Copelan, *Prin. Sci. Aid.*
Jacksonville:
J. Robinson, D. V. M., *Asst. Vet., Insp. in charge.*
National Stock Yards:
C. F. Payne, V. S., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
G. H. Starr, D. V. M., *Asst. Vet., Suppr.*
C. W. Chapin, D. V. M., *Asst. Vet., Suppr.*
C. J. Hayward, D. V. M., *Asst. Vet., Suppr.*
C. D. Bailey, D. V. M., *Asst. Vet.*
J. S. Bixby, B. S., D. V. M., *Jr. Vet.*
G. H. Bruns, D. V. M., *Asst. Vet.*
T. R. Cairns, D. V. M., *Asst. Vet.*
J. T. Draper, D. V. M., *Asst. Vet.*
C. D. Emerick, D. V. M., *Asst. Vet.*
J. J. Evans, Jr., D. V. M., *Jr. Vet.*
E. A. Garleb, D. V. M., *Asst. Vet.*
C. R. Graham, D. V. M., *Asst. Vet.*
R. Greene, D. V. M., *Asst. Vet.*
C. L. Guinn, D. V. M., *Jr. Vet.*
W. M. Haag, D. V. M., *Asst. Vet.*
F. D. Halsey, V. S., *Asst. Vet.*
O. Howells, D. V. M., M. A., *Jr. Vet.*
O. E. Jung, D. V. S., *Jr. Vet.*
D. F. McCarthy, D. V. M., *Asst. Vet.*
J. S. Matteson, D. V. M., *Jr. Vet.*
L. H. Mead, D. V. M., *Asst. Vet.*
T. R. Morse, D. V. M., *Jr. Vet.*
J. D. Nolan, D. V. M., *Jr. Vet.*
A. J. Schoen, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
Illinois—Continued.
National Stock Yards—Continued.
W. R. Scott, D. V. M., *Asst. Vet.*
C. T. Snyder, D. V. M., *Asst. Vet.*
F. S. Thurmon, D. V. M., *Asst. Vet.*
H. J. Timmerman. D. V. S., *Asst. Vet.*
W. S. Trigg, D. V. M., *Asst. Vet.*
F. L. Tritle, D. V. S., *Asst. Vet.*
R. E. Watson, D. V. M., *Jr. Vet.*
J. S. Wolfram, D. V. M., *Jr. Vet.*
Peoria:
J. W. Hovorka, D. V. M., *Asst. Vet., Insp. in charge.*
S. J. Goldstein, D. V. M., *Asst. Vet.*
Indiana:
Anderson:
Charles Corson, D. V. M., *Asst. Vet., Insp. in charge.*
Evansville:
O. W. Noyes, D. V. S., *Assoc. Vet., Insp. in charge.*
L. D. Boston, D. V. S., *Jr. Vet.*
L. L. Criswell. D. V. M., *Asst. Vet.*
B. J. Nutter, D. V. M., *Jr. Vet.*
C. Upton, D. V. M., *Asst. Vet.*
Fort Branch:
M. R. Jollie, D. V. M., *Assoc. Vet., Insp. in charge.*
J. T. Shelton, D. V. M., *Asst. Vet.*
Frankfort:
G. W. Knorr, M. D. C., *Asst. Vet., Insp. in charge.*
Indianapolis:
C. L. Elliott, D. V. M., *Vet., Insp. in charge and Trav. Vet. Insp.*
H. Seevers, D. V. M., *Asst. Vet.*
H. R. Holmes, D. V. M., *Jr. Vet.*
C. O. Joyce, D. V. M., *Asst. Vet.*
L. P. Kirch, D. V. M., *Asst. Vet.*
O. L. Kranz, D. V. M., *Jr. Vet.*
W. J. Palmer, D. V. M., *Asst. Vet.*
H. R. Schrumpf, D. V. M., *Asst. Vet.*
H. M. Springer, D. V. M., *Asst. Vet.*
R. R. Springer, D. V. M., *Asst. Vet.*
R. Steinmetz, D. V. M., *Asst. Vet.*
A. F. Van Meveren, D. V. M., *Jr. Vet.*
R. C. Vermillion, V. S., D. V. M., *Asst. Vet.*
R. M. Ward, D. V. M., *Asst. Vet.*
N. E. Word, D. V. M., *Jr. Vet.*
La Fayette:
J. M. Jehle, M. D. C., *Asst. Vet., Insp. in charge.*
Madison:
R. R. Newman, D. V. S., *Asst. Vet., Insp. in charge.*
Mishawaka:
C. V. Shaw, D. V. M., *Assoc. Vet., Insp. in charge.*
Richmond:
G. E. Aidman, D. V. M., *Asst. Vet., Insp. in charge.*
Terre Haute:
M. W. McGuire, D. V. S., *Assoc. Vet., Insp. in charge.*
B. O. Sherrill, D. V. M., *Asst. Vet.*
Iowa:
Cedar Rapids:
G. A. Kay, D. C. M., *Assoc. Vet., Insp. in charge.*
L. E. Boley, D. V. M., *Jr. Vet.*
G. C. Faun, V. M. D., *Asst. Vet.*
H. W. Hall, D. V. M., *Asst. Vet.*
R. N. Owen, D. V. M., *Jr. Vet.*
H. S. Perdue, D. V. M., *Asst. Vet.*
O. M. Vorthman, D. V. M., *Jr. Vet.*
Davenport:
A. J. Noonan, M. D. V., *Assoc. Vet., Insp. in charge.*
F. C. Davis, D. V. M., *Jr. Vet.*
Des Moines:
C. W. Deming, D. V. M., *Asst. Vet., Insp. in charge.*
F. A. Anderson, D. V. M., *Jr. Vet.*
J. L. Clevenger, D. V. M., *Jr. Vet.*
D. G. Quist, D. V. M., *Jr. Vet.*
C. A. Towne, D. V. M., *Jr. Vet.*
C. L. Ury, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
Iowa—Continued.
Dubuque:
W. E. Spierling; D. V. M., *Asst. Vet., Insp. in charge.*
H. L. Prowett, D. V. M., *Jr. Vet.*
Ft. Dodge:
L. V. Hardy, D. V. M., *Assoc. Vet., Insp. in charge.*
R. B. Conaway, D. V. M., *Jr. Vet.*
C. H. Pals, D .V. M., *Jr. Vet.*
Marshalltown:
E. W. Burke, D. V. M., *Assoc. Vet., Insp. in charge.*
G. V. Grewell, D. V. M., *Jr. Vet.*
Mason City:
L. E. Epple, V. S., *Assoc. Vet., Insp. in charge.*
W. J. Brown, D. V. M., *Asst. Vet.*
G. H. Gitz, D. V. M., *Jr. Vet.*
G. A. Posse, D. V. M., *Asst. Vet.*
W. G. Reed, D. V. M., *Jr. Vet.*
S. L. Ries, D. V. M., *Asst. Vet.*
R. M. Thomas, D. V. M., *Jr. Vet.*
Ottumwa:
E. S. Dickey, D. V. S., *Assoc. Vet., Insp. in charge.*
L. D. Belknap, D. V. M., *Jr. Vet.*
J. J. Ingalls, D. V. M., *Jr. Vet.*
C. B. McKim, D. V. M., *Jr. Vet.*
I. Myers, D. V. M., *Asst. Vet.*
F. B. Perdue, D. V. M., *Jr. Vet.*
F. G. Riedel, D. V. M., *Jr. Vet.*
B. E. Robertson, D. V. M., *Jr. Vet.*
Perry:
H. B. Fishback, D. V. M., *Asst. Vet., Insp. in charge.*
Sioux City:
A. D. Bullock, D. V. M., *Sr. Vet., Insp. in charge.*
J. R. Pooley, D. V. S., *Asst. Vet., Supvr.*
A. E. Arthaud, D. V. M., *Jr. Vet.*
A. W. Bennett, D. V. M., *Asst. Vet.*
H. E. Breckerbaumer, D. V. M., *Asst. Vet.*
E. Combs, D. V. S., *Asst. Vet.*
W. V. Ellis, D. V. M., *Asst. Vet.*
E. O. Gisel, D. V. M., *Asst. Vet.*
B. L. Gray, D. V. M., *Jr. Vet.*
W. F. Hodam, V. S., *Jr. Vet.*
R. F. Krenek, D. V. M., *Asst. Vet.*
F. J. Lauman, D. V. S., *Asst. Vet.*
H. J. Lawrence, D. V. S., *Asst. Vet.*
A. H. Legenhausen, D. C. M., *Asst. Vet.*
R. H. Pease. D. V. M., *Jr. Vet.*
J. A. Skordahl, D. V. M., *Jr. Vet.*
T. W. Stewart, D. V. M., A. B., *Asst. Vet.*
E. V. Stromlund, D. V. S., *Asst. Vet.*
Waterloo:
H. J. Hoyman, M. D. C., *Assoc. Vet., Insp. in charge.*
A. L. Blake, D. V. M., *Asst. Vet.*
W. L. G. Geick, D. V. M., *Asst. Vet.*
L. T. Langland, D. V. M., *Asst. Vet.*
C. E. Miller, D. V. M., *Jr. Vet.*
W. C. Smith, D. V. M., *Jr. Vet.*
R. A. Telford, D. V. M., B. S., *Jr. Vet.*
Kansas:
Arkansas City:
F. E. Haworth, V. M. D., *Asst. Vet., Insp. in charge.*
Kansas City:
J. S. Jenison, D.V. M., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
M. L. Crans, D. V. M., *Assoc. Vet., Asst. Insp. in charge.*
E. M. Berroth, D. V. M.. *Asst. Vet., Supvr.*
G. H. Randall, D. V. S., *Asst. Vet., Supvr.*
G. W. Winkler, D. V. M., *Asst. Vet., Supvr.*
J. R. Barnes, D. V. M., *Asst. Vet.*
A. C. Barr, D. V. S., *Asst. Vet.*
E. V. Beaumont, D. V. S., *Asst. Vet.*
C. R. Behler, M. D. C., *Asst. Vet.*
H. C. Berger, D. V. M., *Asst. Vet.*
D. H. Bibens, D. V. S., *Jr. Vet.*
A. G. Collins, D. V. S., *Asst. Vet.*
E. N. Davis, D. V. M., *Jr. Vet.*
B. L. Dawson, D. V. M., *Asst. Vet.*
O. A. Erfurth, D. V. S., *Asst. Vet.*

FIELD STATIONS—Continued.
Kansas—Continued.
Kansas City—Continued.
C. C. Ettling, D. V. S., *Asst. Vet.*
L. W. Gaydosh, D. V. M., *Jr. Vet.*
R. B. Grimes, D. V. S. *Jr. Vet.*
W. H. Hannemann, D. V. M., *Jr. Vet.*
T. T. Hartman, D. V. S., *Asst. Vet.*
L. J. Howell, D. V. M., *Asst. Vet.*
H. C. Ingraham, D. V. M., *Asst. Vet.*
F. H. Kirwan, D. V. M., *Asst. Vet.*
W. A. Kliphardt, D. V. S.. *Asst. Vet.*
I. G. McChesney, D. V. M., *Asst. Vet.*
G. E. Maxwell, D. V. S., *Asst. Vet.*
J. M. Mayes, D. V. S., *Asst. Vet.*
F. P. Miller, D. V. M., *Asst. Vet.*
R. S. Mourning, D. V. M., *Asst. Vet.*
A. Newberg, D. V. S., *Asst. Vet.*
F. S. Palmer, D. V. M., *Jr. Vet.*
W. E. Patterson, D. V. S., *Asst. Vet.*
H. C. Reed, D. V. M., LL. B., *Jr. Vet.*
C. M. Scheloski, D. V. S., *Asst. Vet.*
J. O. Schlegel, D. V. S., *Asst. Vet.*
W. A. Smith, D. V. S., *Asst. Vet.*
J. B. Snyder, M. D. V., *Jr. Vet.*
F. L. Spillman, D. V. M., *Asst. Vet.*
J. W. Taggart, D. V. S., *Asst. Vet.*
J. F. Talbert, M. D. C., *Asst. Vet.*
B. Tiernan, D. V. M., *Asst. Vet.*
D. A. Tyler, D. V. S., *Asst. Vet.*
E. V. Wedemeyer, D. V. M., *Asst. Vet.*
H. C. Kershner, *Assoc. Lab. Insp., in charge of Lab.*
S. Adler, M. S., *Asst. Chem.*
J. M. McCoy, B. S., M. A., *Jr. Chem.*
Leavenworth:
C. B. Henderson, D. V. S., *Asst. Vet., Insp. in charge.*
Pittsburg:
D. C. Wilke, D. V. M., *Asst. Vet., Insp. in charge.*
Topeka:
O. A. Stingley, B. Sc., D. V. S., *Assoc. Vet., Insp. in charge.*
J. H. Bux, D. V. S., *Jr. Vet.*
H. H. Groat, D. V. M., *Jr. Vet.*
C. F. Pinkham, D. V. S., *Asst. Vet.*
Wichita:
E. F. Cary, D. V. S., *Assoc. Vet., Insp. in charge.*
E. S. Bacon, D. V. M. *Asst. Vet.*
C. W. Barnhart, D. V. S., *Asst. Vet.*
F. E. Brown, D. V. M., *Jr. Vet.*
O. Emmitt, D. V. S., *Jr. Vet.*
W. W. La Fayette, D. V. M., *Asst. Vet.*
J. D. Melvin, D. V. M., *Asst. Vet.*
G. W. Ornduff, D. V. S., *Asst. Vet.*
J. F. Pickett, D. V. S., *Asst. Vet.*
Kentucky:
Henderson:
R. E. Noyes, D. V. S., *Assoc. Vet., Insp. in charge.*
Louisville:
J. B. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*
G. Bard, V. M. D., *Asst. Vet.*
J. F. Chipman, D. V. M., *Asst. Vet.*
C. F. Hobbs, D. C. M., *Asst. Vet.*
F. B. Jones, D.V.S., *Asst. Vet.*
H. H. Myers, V. S., *Asst. Vet.*
G. M. Parrish, D. V. M., *Jr. Vet.*
J. B. Way, D. V. M., *Asst. Vet.*
Louisiana:
New Orleans:
C. H. Horcher, D. V. M., *Assoc. Vet., Insp. in charge.*
E. J. Meixel, D. V. S., *Asst. Vet.*
Shreveport:
T. E. Hall, *Prin. Lay Insp., in charge.*
Maine:
Auburn:
S. F. Griesemer, D. V. M., *Asst. Vet., Insp. in charge.*
Houlton:
I. H. Kaufman, D. V. M., *Asst. Vet., Insp. in charge.*
Portland:
D. D. Callahan, *Prin. Lay Insp., in charge.*

FIELD STATIONS—Continued.
Maryland:
Baltimore:
R. W. Culbert, M. D. V., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
A. A. Edelin, D. V. M., *Asst. Vet., Supvr.*
O. Hinton, V. S., *Asst. Vet., Supvr.*
J. P. Beck, M. D. C., V. S., *Asst. Vet.*
N. N. Crawford, D. V. M., *Jr. Vet.*
J. Huebschman, M. D. C., *Asst. Vet.*
C. P. Marcus, D. V. M., *Jr. Vet.*
F. D. Owen, D. V. S., *Asst. Vet.*
R. M. Putnam, D. V. M., *Asst. Vet.*
W. W. Shartle, D. V. M., *Asst. Vet.*
A. A. Turner, D. V. M., *Jr. Vet.*
E. P. Yager, D. V. S., *Asst. Vet.*
Cumberland:
W. H. Fleischhauer, Jr., *Prin. Lay Insp., in charge.*
Frederick:
G. S. Jackson, D. V. M., *Asst. Vet., Insp. in charge.*
Pocomoke City:
G. C. Pieper, D. V. M., *Asst. Vet., Insp. in charge.*
Salisbury:
A. T. Ayers, D. V. M., *Asst. Vet., Insp. in charge.*
Massachusetts:
Boston:
R. F. Vermilya, D. C. M., *Sr. Vet., Insp. in charge and Trav. Vet. Insp.*
E. N. Tierney, D. C. M., *Assoc. Vet., Asst. Insp. in charge.*
G. E. Bedwell, D. V. M., *Jr. Vet.*
W. B. Chapman, D. V. M., *Jr. Vet.*
J. H. Coleman, D. V. M., *Jr. Vet.*
A. C. Fitzpatrick, M. D. V., *Asst. Vet.*
S. Folse, D. V. S., *Asst. Vet.*
W. L. Grubb, V. S., B. V. Sc., *Jr. Vet.*
J. C. McLeod, D. V. M., *Asst. Vet.*
M. V. Springstun, D. V. M., *Asst. Vet.*
F. E. Wilson, D. V. M., *Jr. Vet.*
Springfield:
M. T. Perry, M. D. V., *Assoc. Vet., Insp. in charge.*
L. E. Lyons, V. S., *Asst. Vet.*
D. M. Snow, V. M. D., *Jr. Vet.*
Worcester:
W. L. Hayward, *Prin. Lay Insp., in charge.*
Michigan:
Detroit:
C. E. Mootz, D. V. M., *Vet., Insp. in charge.*
D. Marks, D. V. M., *Asst. Vet., Supvr.*
W. G. Adams, D. V. M., *Asst. Vet.*
C. H. Canfield, D. V. M., *Asst. Vet.*
H. L. Cotton, D. V. M., *Asst. Vet.*
G. W. Eberhardt, D. V. M., *Jr. Vet.*
C. L. Gegax, D. V. M., *Asst. Vet.*
L. A. Greiner, Jr., D. V. M., *Asst. Vet.*
H. T. Grossman, D. V. M., *Asst. Vet.*
A. M. Hoehn, D. V. M., *Asst. Vet.*
B. D. Robbins, D. V. M., *Jr. Vet.*
G. R. Schaffer, D. V. M., *Jr. Vet.*
A. G. Stamp, D. V. M., *Asst. Vet.*
E. W. Stapp, D. V. M., *Asst. Vet.*
B. H. Steiner, D. V. M., *Jr. Vet.*
B. H. Swim, D. V. M., *Asst. Vet.*
G. W. Trubey, D. V. M., *Asst. Vet.*
J. W. Vance, D. V. M., *Asst. Vet.*
W. R. Van Ness, V. S., M. D. V., *Asst. Vet.*
J. E. Zeltzer, D. V. M., *Asst. Vet.*
Menominee:
C. M. Lombard, D. V. M., *Asst. Vet., Insp. in charge.*
Minnesota:
Albert Lea:
L. P. McArdle, D. V. M., *Assoc, Vet., Insp. in charge.*
G. M. Carson, D. V. M., *Jr. Vet.*
W. J. Conlin, D. V. M., *Jr. Vet.*
F. J. Fike, D. V. M., *Jr. Vet.*
F. L. D. Herchenroeder, D. V. M., *Asst. Vet.*
Austin:
D. D. Tierney, M. D. V., *Assoc. Vet., Insp. in charge.*
D. M. Colby, D. V. M., *Jr. Vet.*
G. J. Jarvis, D. V. M., *Asst. Vet.*
E. D. Richards, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
Minnesota—Continued.
Austin—Continued.
C. C. Riedel, M. D. C., *Jr. Vet.*
D. J. Ryan, D. V. S., *Asst. Vet.*
F. A. Scott, D. V. M., *Asst. Vet.*
L. W. Stevens, D. V. M., *Jr. Vet.*
W. L. R. Williamson, D. V. M., *Asst. Vet.*
Duluth:
J. A. Patton, D. V. M., *Assoc. Vet., Insp. in charge.*
G. R. Tomlinson, V. S., M. D. C., *Asst. Vet.*
Fergus Falls:
G. W. Riley, D. V. M., *Asst. Vet., Insp. in charge.*
South St. Paul:
Otto Hornlein, M. D. V., *Sr. Vet., Insp. in charge.*
F. W. Crawford, D. V. M., *Jr. Vet., Supvr.*
J. R. Scott, D. V. M., *Jr. Vet., Supvr.*
O. W. Anderson, D. V. M., *Asst. Vet.*
F. A. Baldwin, D. V. M., *Jr. Vet.*
C. F. Barnes, D. V. M., *Jr. Vet.*
W. W. Boggie, D. V. M., *Jr. Vet.*
B. B. Bowen, D. V. M., *Jr. Vet.*
E. J. Calph, D. V. M., *Asst. Vet.*
C. H. Easterling, D. V. M., *Jr. Vet.*
G. E. Gilbert, D. V. M., *Jr. Vet.*
C. H. Hart, M. D. C., *Jr. Vet.*
L. F. Heydecker, D. V. M., *Jr. Vet.*
Ray Hoefling, D. V. M., *Asst. Vet.*
W. D. Hoffmaster, D. V. M., *Jr. Vet.*
N. H. Howell, D. V. M., *Jr. Vet.*
W. A. Jordan, D. V. M., M. S., *Jr. Vet.*
C. H. Mobiley, D. V. M., *Jr. Vet.*
E. N. Moline, D. V. S., *Asst. Vet.*
J. H. Moore, D. V. M., *Asst. Vet.*
A. J. Murphy, D. V. M., *Jr. Vet.*
T. J. Muxlow, D. V. M., *Jr. Vet.*
G. H. Oakes, D. V. M., *Jr. Vet.*
A. T. Ostendorf, D. V. M., *Jr. Vet.*
G. M. Otis, M. D. C., *Asst. Vet.*
Robert Pickett, D. V. M., *Asst. Vet.*
J. R. Scott, D. V. M., *Jr. Vet.*
M. R. Sebright, D. V. M., *Jr. Vet.*
J. V. Shannon, D. V. S., *Jr. Vet.*
L. S. Smith, D. V. M., *Asst. Vet.*
D. B. Stewart, D. V. M., *Asst. Vet.*
Raymond Stigers, D. V. M., *Jr. Vet.*
S. A. Turpen, D. V. M., *Asst. Vet.*
J. W. Weinhofer, D. V. M., *Jr. Vet.*
C. V. Williams, D. V. M., *Jr. Vet.*
A. N. Wilson, D. V. M., *Jr. Vet.*
Winona:
J. L. Myers, D. V. M., *Asst. Vet., Insp. in charge.*
H. J. Clary, D. V. M., *Jr. Vet.*
F. O. Jacobson, D. V. M., *Jr. Vet.*
Mississippi:
Natchez:
J. B. Harris, *Prin. Lay Insp., in charge.*
Vicksburg:
H. H. Culver, *Prin. Lay Insp., in charge.*
Missouri:
Joplin:
J. B. Thompson, D. V. M., *Asst. Vet., Insp. in charge.*
St. Louis:
C. H. Swanger, B. S., *Assoc. Chem., in charge of Lab.*
W. B. Fromer, B. S., *Asst. Chem.*
R. H. Philbeck, B. S., *Jr. Chem.*
South St. Joseph:
O. W. Seher, D. V. M., *Assoc. Vet., Insp. in charge.*
C. C. Walch, D. V. S., *Asst. Vet., Supvr.*
W. A. Barr, V. S., *Asst. Vet.*
S. J. Berger, D. V. M., *Jr. Vet.*
E. J. Cary, D. V. S., *Asst. Vet.*
W. Craig, D. V. M., *Asst. Vet.*
W. P. Divelbiss, D. V. M., *Asst. Vet.*
G. M. Dorman, D. V. M., *Asst. Vet.*
G. L. Foy, D. V. M., *Jr. Vet.*
H. M. Graefe, D. V. S., *Asst. Vet.*
C. H. Grunwald, D. V. M., *Asst. Vet.*
W. G. McGuire, D. V. M., *Asst. Vet.*
G. H. Murphy, D. V. M., *Jr. Vet.*
M. D. Nelson, D. V. M., *Asst. Vet.*
W. J. J. Pooley, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
Missouri—Continued.
South Str. Joseph—Continued.
J. B. Sigrist, D. V. M., *Asst. Vet.*
L. P. Sullivan, D. V. M., *Asst. Vet.*
West Plains:
J. F. Park, D. V. M., *Asst. Vet., Insp. in charge.*
Montana—Butte:
L. M. Marshall, D. V. M., *Assoc. Vet., Insp. in charge.*
F. E. Clark, D. V. M., *Asst. Vet.*
Nebraska—Omaha:
W. W. Lawson, M. D. C., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
G. A. Franz, D. V. M., *Asst. Vet., Supvr.*
P. S. McLaughlin, D. P. M., *Asst. Vet. Supvr.*
F. W. Hock, D. V. M., *Asst. Vet., Supvr.*
A. P. Abendshien, D. V. M., *Jr. Vet.*
J. A. Carlsen, D. V. M., *Asst. Vet.*
E. M. Clark, D. V. M., *Asst. Vet.*
V. H. Clark, D. V. M., *Jr. Vet.*
W. A. Cornell, D. V. M., *Jr. Vet.*
G. Edgecomb, D. V. M., *Asst. Vet.*
A. English, D. V. M., *Asst. Vet.*
G. P. Everly, D. V. S., *Asst. Vet.*
W. C. Finn, D. V. M., *Jr. Vet.*
L. V. Haggerty, D. V. M., *Asst. Vet.*
G. C. Harrington, D. V. M., *Asst. Vet.*
M. Heusinkveld, D. V. M., *Jr. Vet.*
J. W. Huston, D. V. M., *Asst. Vet.*
F. Jelen, D. V. S., *Asst. Vet.*
C. A. Jerome, D. V. S., *Asst. Vet.*
J. Kalmansohn. D. V. M., *Asst. Vet.*
M. H. Leininger, D. V. S., *Asst. Vet.*
C. T. Loy, D. V. M., *Asst. Vet.*
A. L. McBride, D. V. M., *Jr. Vet.*
C. M. McCoy, D. V. M., *Asst. Vet.*
E. A. Maier, D. V. M., *Jr. Vet.*
A. M. Meade, D. V. S., *Asst. Vet.*
W. J. Mulroony, M. D. V., *Jr. Vet.*
D. C. Murdock, M. D. C., *Asst. Vet.*
W. F. Osterholtz, D. V. M., *Asst. Vet.*
H. E. Smith, D. V. M. *Asst. Vet.*
D. F. Stouffer, D. V. S., *Asst. Vet.*
D. R. Trueblood, D. V. M., *Jr. Vet.*
E. A. Boyer, *Assoc. Chem. in charge of Lab.*
I. M. Myers, *Chief Sci. Aid.*
Nevada—Reno:
W. K. Shidler, D. V. S., *Asst. Vet., Insp. in charge.*
New Hampshire:
Claremont:
G. A. Patterson, *Prin. Lay Insp., in charge.*
Keene:
J. Stafford, D. V. S., *Asst. Vet., Insp. in charge.*
Manchester:
A. A. Kritt, D. V. M., *Asst. Vet., in charge.*
New Jersey:
Jersey City:
E. H. Baumann, D. V. M., *Assoc. Vet., Insp. in charge.*
H. E. Benge, D. V. M., *Jr. Vet.*
M. Borsos, D. V. M., *Asst. Vet.*
P. F. Carr, D. V. M., *Jr. Vet.*
W. L. Flanagan, D. V. M., *Jr. Vet.*
J. Jacobs, D. V. S., *Asst. Vet.*
C. J. Lange, D. V. M., *Jr. Vet.*
M. J. Myers, V. S., *Asst. Vet.*
E. S. Ring, D. V. S., *Asst. Vet.*
F. C. Willson, D. V. M., *Asst. Vet.*
K. Young, D. V. M., *Jr. Vet.*
Newark:
C. L. Hall, D. V. S., *Assoc. Vet., Insp. in charge.*
W. F. Ball, D. V. M., *Jr. Vet.*
F. J. Glynn, D. V. S., *Asst. Vet.*
C. Hackenberg, Jr., D. V. M., *Jr. Vet.*
C. W. Humphrey, D. V. M., *Asst. Vet.*
A. A. Lemery, D. V. S., *Asst. Vet.*
F. J. Maurer, D. V. M,. *Asst. Vet.*
C. J. Morgan, D. V. M., *Jr. Vet.*
W. F. Osborn, D. V. S., *Asst. Vet.*
F. A. Pickett, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.
New York:
Albany:
J. J. Martin, D. V. M., *Assoc. Vet., Insp. in charge.*
J. L. Core, D. V. M., *Jr. Vet.*
C. T. Higginbotham, D. V. M., *Asst. Vet.*
C. R. Quillin, B. V. Sc., *Jr. Vet.*
L. B. Whitney, D. V. S., *Asst. Vet.*
Buffalo:
B. J. Stockler, D. V. M., *Vet., Insp. in charge.*
A. G. Ward, D. V. M., *Asst. Vet. Supvr.*
A. J. Burley, D. V. M., *Asst. Vet.*
R. J. Dunlavey, D. V. M., *Asst. Vet.*
R. B. Ferro, D. V. M., *Jr. Vet.*
F. L. Foster, D. V. M., *Asst. Vet.*
S. E. Grove, D.V. M., *Jr. Vet.*
M. J. Hastings, D. V. M., *Asst. Vet.*
B. A. Hyatt, D. V. M., *Asst. Vet.*
J. H. O'Leary, D. V. M., *Asst. Vet.*
C. R. Perkins, D. V. M., *Asst. Vet.*
B. S. Shattuck, D. V. M., *Asst. Vet.*
C. A. Trapkey, D. V. M., *Jr. Vet.*
Kingston:
M. W. Cohen, D. V. M., *Assoc. Vet., Insp. in charge.*
J. R. Addison, D. V. M., *Jr. Vet.*
New York:
A. F. Staub, D. V. M., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
A. R. Miller, D. V. M., *Asst. Vet., Supvr.*
M. M. Woods, D. V. M., *Asst. Vet., Supvr.*
M. R. Clarkson, D. V. M., B. S., *Jr. Vet., Supvr.*
L. Abrevaya, D. V. M., Ph. G., *Jr. Vet.*
H. B. Ballou, D. V. M., *Asst. Vet.*
C. R. Biederman, D. V. S., *Asst. Vet.*
W. L. Bolin, D. V. M., *Jr. Vet.*
H. J. Boyer, D. V. M. *Asst. Vet.*
W. R. Fleming, D. V. S., *Asst. Vet.*
H. L. Gibson, D. V. M., *Jr. Vet.*
R. A. Goodman, D. V. M., *Jr. Vet.*
C. Greenhaus, D. V. M., *Asst. Vet.*
C. Hassel, D. V. S., *Asst. Vet.*
C. A. Hazzard, D. V. M., *Asst. Vet.*
J. D. Jarmon, D. V. M., *Jr. Vet.*
E. D. Johnston, D. V. M., *Jr. Vet.*
S. H. Johnston, D. V. S., *Asst. Vet.*
I. J. Kahn, D. V. M., Ph. G., *Jr. Vet.*
C. F. Lipp, D. V. M., *Asst. Vet.*
B. C. Meade, D. V. M., *Asst. Vet.*
M. J. Murphy, D. V. S., *Asst. Vet.*
H. S. Nevius, D. V. M., *Jr. Vet.*
J. L. Oyarzabal, D. V. M., *Jr. Vet.*
M. Paolone, D. V. S., *Asst. Vet.*
G. F. Patton, D. V. M., *Jr. Vet.*
R. E. Pflugrad, D. V. M., B. S., *Jr. Vet.*
G. S. Phalares, D. V. M., *Jr. Vet.*
J. J. Riordan, D. V. M., *Jr. Vet.*
W. R. Rosekrans, D. V. S., *Asst. Vet.*
M. A. Ruck, D. V. M., *Asst. Vet.*
N. J. Taylor, D. V. M., *Jr. Vet.*
H. P. Waddle, D. V. S., *Asst. Vet.*
D. Edelman, B. S., *Assoc. Chem.*
C. C. Gouldman, B. S., *Jr. Chem.*
G. L. McGinty, *Asst. Chem.*
Pearl River:
F. A. Grenfell, D. V. M., *Assoc. Vet., Insp. in charge.*
Poughkeepsie:
J. L. Orr, D. V. M., *Asst. Vet., Insp. in charge.*
South Kortright:
Abraham Packer, D. V. M., *Asst. Vet., Insp. in charge.*
North Carolina:
Charlotte:
Jacob Vogel, *Prin. Lay Insp., in charge.*
Wilmington:
A. H. Carpenter, *Prin. Lay Insp., in charge.*
North Dakota:
Grand Forks:
M. E. Schwab, D. V. M., Ph. B., *Assoc. Vet., Insp. in charge.*
West Fargo:
J. A. Thompson, B. S., D. V. S., *Assoc. Vet., Insp. in charge.*
L. M. Henry, D. V. M., *Jr. Vet.*
H. D. Osborne, D. V. M., *Asst. Vet.*
H. L. Rae, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
Ohio:
Athens:
P. J. Huffman, Jr., D. V. S., *Asst. Vet., Insp. in charge.*
Cincinnati:
G. W. Famous, V. M. D., *Vet., Insp. in charge.*
F. G. Kneup, D. V. M., *Asst. Vet., Supvr.*
B. H. Branson, D. V. M., *Jr. Vet.*
H. W. Butz, D. V. M., *Asst. Vet.*
S. C. Cook, D. V. M., *Asst. Vet.*
F. B. Drake, D. V. M., *Asst. Vet.*
A. B. Elstun, D. V. M., *Asst. Vet.*
C. A. Engleman, D. V. M., *Asst. Vet.*
F. G. Hahn, D. V. M., *Asst. Vet.*
A. J. Hauck, D. V. M., *Asst. Vet.*
J. W. Hermann, D. V. M., *Asst. Vet.*
A. A. Hiett, D. V. M., *Asst. Vet.*
A. E. Montgomery, D. V. M., *Asst. Vet.*
W. F. Moore, D. V. M., *Jr. Vet.*
W. Poseiner, D. V. M., *Jr. Vet.*
W. W. Renter, D. V. M., *Asst. Vet.*
J. A. Rudolph, D. V. M., *Jr. Vet.*
H. L. Shale, D. V. M., *Asst. Vet.*
C. L. Stricker, D. V. M., *Asst. Vet.*
C. F. Stroehlein, D. V. M., *Asst. Vet.*
Cleveland:
C. P. Hart, V. S., *Vet., Insp. in charge.*
J. W. Brown, D. V. M., *Jr. Vet.*
M. R. Jollie, D. V. M., *Asst. Vet. Supvr.*
V. F. Croft, D. V. S., *Jr. Vet.*
H. A. Fox, D. V. M., B. S., *Asst. Vet.*
A. R. Griffith, D. V. M., *Jr. Vet.*
F. E. Hill, D. V. M., *Asst. Vet.*
B. Kester, D. V. M., M. S., *Jr. Vet.*
L. Kochman, D. V. M., *Asst. Vet.*
G. C. Mawer, D. V. M., *Asst. Vet.*
F. R. Pettys, D. V. M., *Jr. Vet.*
A. C. Stein, D. V. M., *Asst. Vet.*
E. E. Steiner, D. V. M., *Asst. Vet.*
Columbus:
S. G. Fortune, D. V. M., *Assoc. Vet., Insp. in charge.*
L. E. Davis, V. S., *Asst. Vet.*
G. D. Jelen, D. V. M., *Jr. Vet.*
T. E. Nichols, D. V. M., *Asst. Vet.*
F. M. Painter, D. V. M., *Asst. Vet.*
T. M. Powell, D. V. M., *Asst. Vet.*
A. E. Wardlow, D. V. M., *Asst. Vet.*
Dayton:
C. H. Herrold, M. D. V., V. S., *Assoc. Vet., Insp. in charge.*
W. H. Borchers, D. V. M., *Asst. Vet.*
S. C. Brouse, D. V. M., *Asst. Vet.*
F. E. Theobald, D. V. M., *Asst. Vet.*
N. C. Wheeler, M. D. C., B. A., *Jr. Vet.*
Fostoria:
A. W. Combs, D. V. M., *Asst. Vet., Insp. in charge.*
C. Beverly, D. V. M., *Jr. Vet.*
Piqua:
A. N. Smith, V. M. D., *Asst. Vet., Insp. in charge.*
G. C. Juday, D. V. M., *Jr. Vet.*
Zanesville:
E. F. Jameson, D. V. S., *Assoc. Vet., Insp. in charge.*
Oklahoma:
Miami:
R. E. Surring, D. V. M., *Asst. Vet., Insp. in charge.*
Oklahoma City:
J. H. Kitzhofer, D. V. S., *Assoc. Vet., Insp. in charge.*
S. A. Burnam, D. V. M., *Jr. Vet.*
H. H. Glenn, M. D. C., *Asst. Vet.*
M. E. Hodgson, D. V. M., *Jr. Vet.*
O. H. Leonhart, D. V. S., M. D. C., *Asst. Vet.*
S. M. Meredith, D. V. S., *Asst. Vet.*
R. R. Parker, D. V. M., *Asst. Vet.*
J. W. Stults, D. V. M., *Asst. Vet.*
W. T. Vilott, D. V. M., *Asst. Vet.*
Oregon:
Portland:
P. P. Taylor, D. V. M., *Assoc. Vet., Insp. in charge.*
A. M. Blackwell, V. S., *Asst. Vet.*
R. F. Chase, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
Oregon—Continued.
Portland—Continued.
A. J. Dinse, D. V. S., *Asst. Vet.*
G. D. Loder, D. V. M., *Asst. Vet.*
R. A. Parsons, D. V. M., *Asst. Vet.*
C. M. Riley, M. D. V., *Asst. Vet.*
Pennsylvania:
Allentown:
J. R. Donnelly, M. D. V., *Assoc. Vet., Insp. in charge.*
J. D. Liddy, D. V. M., *Jr. Vet.*
J. H. Lowe, M. D. V., *Asst. Vet.*
Erie:
E. R. Jackson, D. V. M., *Assoc. Vet., Insp. in charge.*
A. C. Edwards, D. V. M., *Asst. Vet.*
Hallstead:
O. Nelson, V. M. D., *Asst. Vet., Insp. in charge.*
Harrisburg:
H. A. Schneider, M. D. V., *Assoc. Vet., Insp. in charge.*
P. E. Nulk, D. V. M., *Asst. Vet.*
C. C. Steibing, V. M. D., *Jr. Vet.*
Philadelphia:
C. J. Millen, D. V. M., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
S. K. Nelson, D. V. M., *Asst. Vet., Supvr.*
J. M. Baxter, D. V. M., *Asst. Vet.*
M. R. Boyer, D. V. M., *Jr. Vet.*
G. S. Carter, D. V. M., *Jr. Vet.*
W. S. Clark, D. V. S., *Asst. Vet.*
G. E. Cohan, A. B., V. M. D., *Jr. Vet.*
W. K. Herbott, D. V. M., *Jr. Vet.*
G. D. Homan, V. M. D., *Asst. Vet.*
F. S. Hope, V. M. D., *Asst. Vet.*
A. McConnell, D. V. M., *Asst. Vet.*
M. J. Maloney, D. V. M., *Asst. Vet.*
S. K. Nelson, D. V. M., *Asst. Vet.*
O. L. Osteen, D. V. M., *Jr. Vet.*
F. E. Pinkerton, D. V. M., *Asst. Vet.*
C. L. Schulster, D. V. M., *Jr. Vet.*
G. T. Van Buskirk, V. M. D., *Asst. Vet.*
J. H. Zollinger, V. M. D., *Asst. Vet.*
Pittsburgh:
A. R. Smith, V. M. D., *Assoc. Vet., Insp. in charge.*
J. M. Bowers, D. V. M., *Jr. Vet.*
I. W. Eichelberger, D. V. M., *Asst. Vet.*
L. B. Hall, D. V. M., *Jr. Vet.*
W. S. Hileman, V. M. D., *Asst. Vet.*
H. T. Ludwig, D. V. M., *Asst. Vet.*
O. W. Orson, D. V. M., *Jr. Vet.*
Pittston:
R. C. Lambert, D. V. M., *Assoc. Vet., Insp. in charge.*
C. E. Brown, D. V. M., *Jr. Vet.*
H. E. Skoog, B. S., D. V. M., *Jr. Vet.*
Pottsville:
R. O. Rothermel, D. V. M., *Asst. Vet., Insp. in charge.*
L. E. Barnes, D. V. M., *Asst. Vet.*
Reading:
R. P. Salisbury, D. V. M., *Asst. Vet., Insp. in charge.*
Rhode Island—Providence:
E. P. Barnhart, D. V. M., *Assoc. Vet., Insp. in charge.*
K. G. Cherrington, M. D. V., *Asst. Vet.*
W. J. Comstock, D. V. M., *Jr. Vet.*
E. R. Fisher, D. V. M., *Jr. Vet.*
South Dakota:
Huron:
F. W. Dennie, D. V. M., *Assoc. Vet., Insp. in charge.*
O. R. Whitney, D. V. M., *Jr. Vet.*
Mitchell:
P. A. Franzmann, D. V. M., *Assoc. Vet., Insp. in charge.*
Sioux Falls:
W. R. Kidwell, D. V. M., *Assoc. Vet., Insp. in charge.*
C. B. Bratager, D. V. M., *Jr. Vet.*
A. G. Ferrin, D. V. M., *Asst. Vet.*
A. W. Groth, D. V. M., *Jr. Vet.*
N. Hanson, D. V. M., *Asst. Vet.*
O. U. Poth, D. V. M., *Jr. Vet.*
W. J. Scanlon, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
South Dakota—Continued.
Sioux Falls—Continued.
A. E. Slocum, D. V. M., *Asst. Vet.*
C. L. White, D. V. S., *Asst. Vet.*
Watertown:
W. R. Richards, M. D. C., *Assoc. Vet., Insp. in charge.*
B. W. Beckett, D. V. M., *Jr. Vet.*
E. A. Williams, D. V. M., *Asst. Vet.*
Tennessee:
Chattanooga:
G. R. Hartman, D. V. S., *Assoc. Vet., Insp. in charge.*
Walter George, V. S., *Asst. Vet.*
Knoxville:
S. A. King, D. V. M., *Assoc. Vet., Insp. in charge.*
J. A. Sluss, D. V. M., *Jr. Vet.*
B. H. Yenner, D. V. S., *Asst. Vet.*
Memphis:
R. V. Rafnel, D. V. M., *Assoc. Vet., Insp. in charge.*
J. L. Arnandez, D. V. M., *Jr. Vet.*
C. P. Branigan, M. D. C., *Asst. Vet.*
P. C. Denney, D. V. M., *Jr. Vet.*
R. L. Dull, Sr., D. V. M., *Jr. Vet.*
C. W. Turrell, D. V. M., *Asst. Vet.*
Nashville:
R. H. Nutt, D. V. M., *Assoc. Vet., Insp. in charge.*
J. E. Bender, D. V. M., *Asst. Vet.*
D. O. Browning, D. V. M., *Asst. Vet.*
H. H. Hobbs, M. D. C., *Jr. Vet.*
W. B. Smith, D. V. M., *Asst. Vet.*
Union City:
E. F. Kallenberg, D. V. M., *Asst. Vet., Insp. in charge.*
Texas:
El Paso:
S. V. Ewers, D. V. S., *Assoc. Vet., Insp. in charge.*
L. E. Bay, D. V. M., *Jr. Vet.*
H. T. Juen, D. V. M., *Asst. Vet.*
J. C. Reid, D. V. S., *Asst. Vet.*
Fort Worth:
C. J. Young, D. V. S., *Assoc. Vet., Insp. in charge.*
W. C. Alvey, D. V. M., *Asst. Vet.*
C. P. Callaway, D. V. M., *Asst. Vet.*
A. J. Clark, D. V. M., *Asst. Vet.*
G. F. Flaherty, D. V. M., *Asst. Vet.*
E. W. Kern, D. V. M., *Asst. Vet.*
G. R. Louden, D. V. M., *Asst. Vet.*
W. K. McConnell, D. V. S., *Asst. Vet.*
P. F. R. Meyer, D. V. M., *Asst. Vet.*
E. W. Nye, D. V. S., *Asst. Vet.*
J. J. Parker, D. V. S., *Asst. Vet.*
E. E. Peacock, D. V. M., *Asst. Vet.*
J. Ramsey, D. V. M., *Asst. Vet.*
G. J. Roosink, D. V. M., *Jr. Vet.*
J. A. Wilkinson, D. V. M., *Asst. Vet.*
Houston:
D. B. Strickler, D. V. M., *Assoc. Vet., Insp. in charge.*
D. C. Becker, D. V. M., *Jr. Vet.*
S. O. Benson, D. V. M., *Jr. Vet.*
E. G. Pigman, D. V. M., *Asst. Vet.*
J. Van Eenenaam, M. D. V., *Jr. Vet.*
Texarkana:
H. G. Potter, *Prin. Lay Insp., in charge.*
Utah:
Ogden:
F. G. Miller, D. V. M., *Assoc. Vet., Insp. in charge.*
J. M. Allen, D. V. M., *Jr. Vet.*
Salt Lake City:
J. E. Dwyer, D. V. M., *Asst. Vet., Insp. in charge.*
C. W. Picht, D. V. M., *Jr. Vet.*
Vermont:
Bellows Falls:
A. J. Wahn, D. V. M., *Asst. Vet., Insp. in charge.*
Burlington:
E. E. Manter, D. V. M., *Asst. Vet., Insp. in charge.*
Lyndonville:
C. G. Haber, D. V. M., *Asst. Vet., Insp. in charge.*

FIELD STATIONS—Continued.
Virginia:
Norfolk:
J. M. Harris, *Prin. Lay Insp., in charge.*
Richmond:
Henry Marshall, V. M. D., *Assoc. Vet., Insp. in charge and Traveling Vet. Insp.*
J. K. Chapin, D. V. M., *Asst. Vet.*
T. A. Harrison, D. V. S., *Asst. Vet.*
A. W. Kay, D. V. S., *Asst. Vet.*
C. E. Thompson, D. V. M., *Asst. Vet.*
W. I. Wilkins, D. V. M., *Asst. Vet.*
Washington:
Seattle:
A. S. Martin, D. V. M., *Assoc. Vet., Insp. in charge.*
G. C. Newberg, D. V. S., *Asst. Vet.*
G. E. Sloulin, V. S., *Jr. Vet.*
J. A. Whealy, D. V. M., *Asst. Vet.*
Spokane:
J. A. Zimmerman, D. V. S., *Assoc. Vet., Insp. in charge.*
J. C. Barta, D. V. M., *Jr. Vet.*
O. E. Flory, D. V. M., *Jr. Vet.*
G. A. Kuhn, B. S., D. V. M., *Jr. Vet.*
W. A. Montgomery, D. V. M., *Asst. Vet.*
J. H. Stephens, D. V. M., *Asst. Vet.*
H. M. Williams, D. V. S., *Jr. Vet.*
Tacoma:
A. N. McGregor, D. V. M., *Assoc. Vet., Insp. in charge.*
L. C. Bowling, D. V. M., A. B., *Jr. Vet.*
R. A. McDonald, D. V. S., D. V. M., *Asst. Vet.*
Walla Walla:
C. A. Hulbush, M. D. V., *Asst. Vet., Insp. in charge.*
Yakima:
R. S. Griffin, D. V. M., *Assoc. Vet., Insp. in charge.*
West Virginia—Wheeling:
L. A. Licking, M. D. C., *Assoc. Vet., Insp. in charge.*
W. K. Breckenridge, D. V. M., *Asst. Vet.*
Wisconsin:
Eau Claire:
V. W. Woolen, D. V. M., *Asst. Vet., Insp. in charge.*
Madison:
L. A. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
H. F. Arndt, D. V. M., *Asst. Vet.*
O. A. Christianson, M. D. V., *Asst. Vet.*
H. A. Gamrath, D. V. M., *Jr. Vet.*
V. S. Jacobi, D. V. M., *Jr. Vet.*
S. C. Varnum, D. V. M., *Jr. Vet.*
Milwaukee:
B. C. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*
R. J. Digman, M. D. C., *Asst. Vet., Supvr.*
E. P. Coburn, D. V. M., *Jr. Vet.*
R. E. Cochrane, M. D. V., *Asst. Vet.*
P. R. Granholm, D. V. M., *Jr. Vet.*
H. Gutschenritter, D. V. M., *Jr. Vet.*
T. A. Head, D. V. M., *Asst. Vet.*
C. Houston, D. V. M., *Asst. Vet.*
J. B. Huhn, D. V. M., *Jr. Vet.*
G. C. Janke, D. V. M., *Asst. Vet.*
G. Jerome, D. V. M., *Asst. Vet.*
F. O. Kickbusch, M. D. V., *Asst. Vet.*
H. C. Kornetzky, D. V. M., *Asst. Vet.*
E. D. McKinney, D. V. M., *Jr. Vet.*
F. D. Meier, D. V. M., *Asst. Vet.*
W. C. Smith, D. V. M., *Asst. Vet.*
W. J. Smith, D. V. M., *Jr. Vet.*
F. J. Verduin, D. V. M., *Asst. Vet.*

PACKERS AND STOCKYARDS DIVISION

Directed by Asst. Chief of Bur.
F. W. Miller, D. V. S., *Sr. Econ., Asst. Chief.*

Trade Practices:

F. W. Miller, D. V. S., *Sr. Econ., in charge.*
C. A. Briggs, M. A., *Sr. Weighing Engin.*
J. A. Zelinski, C. E., *Prin. Valuation Engin.*

Rates and Registration:

M. O. Cooper, M. A., LL. B., *Sr. Econ., in charge.*
H. D. Dozier, Ph. D., *Sr. Econ.*
Henry C. Gibbs, LL. M., *Sr Admin. Off.*
S. J. Harvey, *Sr. Admin. Off.*
Millard J. Cook, *Sr. Admin. Asst.*

Interstate Transportation:

Rudolph Snyder, M. D. C., *Sr. Vet., in charge.*
A. J. Raub, *Asst. in Livestock Transp. Invest.*

Audits and Accounts:

W. J. Nevius, *Acct.*
M. P. Jacoby, *Acct.*
C. V. Evans, *Asst. Acct.*
FIELD HEADQUARTERS:
Colorado—Denver:
B. J. Westinghouse, *Sr. Acct.*
Illinois:
Chicago:
R. L. Cottingham, *Asst. Acct. and Aud.*
National Stock Yards:
G. J. Svoboda, *Sr. Acct.*
G. M. Thomas, *Asst. Acct.*
Minnesota—St. Paul:
E. J. Kohler, *Sr. Acct.*
Missouri—Kansas City:
E. J. Bolas, *Assoc. Acct.*
H. E. Bufkin, *Sr. Acct.*
E. R. Hart, *Assoc. Aud.*
Nebraska—Omaha:
H. M. Baughman, *Asst. Acct.*
O. H. Muse, *Asst. Acct.*
Texas—Fort Worth:
M. W. Taylor, *Asst. Acct.*

Valuation (Field):

Missouri—Kansas City:
A. T. Cushing, M. S., *Valuation Engin.*
W. O. Galbreath, B. S., *Stockyard Appraiser.*
J. E. Johnson, B. S. in C. E., *Assoc. Stockyard Appraiser.*
A. F. Schramm, A. B., *Assoc. Stockyard Appraiser.*
H. E. McClintock, C. E., *Assoc. Stockyard Appraiser.*

Weighing (Field):

Missouri—Kansas City:
F. B. Fell, *Assoc. Weighing Engin.*
Ohio—Cincinnati:
W. L. Frank, B. S., in Agr., *Asst. Livestock Weight Supvr.*

Stockyard Supervision (Field):

Alabama—Montgomery:
M. L. Haskell, *Dist. Supvr.*
California—Los Angeles:
C. D. Ashmore, D. V. S., *Dist. Supvr.*
Colorado—Denver:
J. Christensen, *Div. Supvr.*
L. W. Krake, *Dist. Supvr.*
Illinois:
Chicago:
V. E. Foster, *Dist. Supvr.*
M. Guillaume, M. D. V., LL. B., *Assoc. Supvr.*
T. J. Keogh, *Asst. Mkt. Spec.*
National Stock Yards:
C. S. Jones, B. S., *Dist. Supvr.*
Indiana—Indianapolis:
A. W. Joy, B. S., *Dist. Supvr.*
Iowa—Sioux City:
R. L. Lisle, *Dist. Supvr.*
Kansas—Wichita:
C. W. Barnhart, D. V. S., *Dist. Supvr.*
Minnesota—South St. Paul:
W. A. Williams, Ph. B., *Dist. Supvr.*
Missouri:
Kansas City:
G. E. Butin, D V. S., *Dist. Supvr.*
South St. Joseph:
F. J. Miller, *Dist. Supvr.*
Nebraska—Omaha:
J. R. Plumb, A. B., *Dist. Supvr.*

Stockyard Supervison—Continued.

New York:
Buffalo:
J. F. Gibbons, *Dist. Supvr.*
New York:
C. F. Walker, *Dist. Supvr.*
Ohio—Cincinnati:
C. R. Behler, D. V. S., *Dist. Supvr.*
Oregon—North Portland:
P. McCormick, Jr., B. S., *Dist. Supvr.*
Pennsylvania—Pittsburgh:
L. C. Jennings, *Dist. Supvr.*
Tennessee—Nashville:
T. J. Perrin, *Dist. Supvr.*
Texas—Fort Worth:
J. H. Ruff, *Dist. Supvr.*

Public Stockyards Inspection (Field):

Alabama:
Birmingham:
O. E. Barth, M. D. C., *Assoc. Vet.*
Montgomery:
R. E. Jackson, V. S., *Assoc. Vet., Insp. in charge.*
J. M. Lawson, D. V. S., *Asst. Vet., Supvr.*
California:
Los Angeles:
E. D. Kennedy, D. V. S., *Assoc. Vet., Insp. in charge.*
G. E. Golden, M. D. V., *Asst. Vet.*
South San Francisco:
M Brodner, D. V. S., *Vet., Insp. in charge.*
Colorado—Denver:
A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
C. E. Ranney, D. V. S., *Asst. Vet.*
J. E. Shelton, D. V. S., *Asst. Vet.*
G. R. Teeple, V. S., *Asst. Vet.*
Florida—Jacksonville:
T. W. Cole, D. V. M., *Vet., Insp. in charge.*
J. W. Casey, D. V. M., *Asst. Vet.*
Georgia—Atlanta:
A. L. Hirleman, D. V. M., *Assoc. Vet., Insp. in charge.*
Illinois:
Chicago:
G. E. Totten, M. D. C., *Sr. Vet., Insp. in charge.*
John Dickson, D. C. M., *Asst. Vet., Supvr.*
F. C. Mau, D. V. M., *Asst. Vet.*
B. H. Streigleder, D. V. M., *Asst. Vet.*
Israel Wailman, D. V. M., *Asst. Vet.*
National Stock Yards:
C. F. Payne, V. S., *Sr. Vet., Insp. in charge.*
C. J. Hayward, D. V. M., *Supvr.*
T. R. Cairns, D. V. M., *Asst. Vet.*
C. R. Graham, D. V. M., *Asst. Vet.*
Indiana:
Evansville:
O. W. Noyes, D. V. S., *Assoc. Vet., Insp. in charge.*
L. L. Crisswell, D. V. M., *Supvr.*
Indianapolis:
C. L. Elliott, D. V. M., *Vet., Insp. in charge.*
R. C. Vermillion, V. S., D. V. M., *Asst. Vet., Supvr.*
Iowa—Sioux City:
A. D. Bullock, D. V. M., *Sr. Vet., Insp. in charge.*
Perry Zenor, B. S., M. D. C., *Asst. Vet., Supvr.*
E. O. Gisel, D. V. M., *Asst. Vet.*
Kansas:
Kansas City:
J. S. Jenison, D. V. M., *Sr. Vet., Insp. in charge.*
W. C. Dye, D. V. S., *Asst. Vet., Supvr.*
E. V. Beaumont, D. V. S., *Asst. Vet.*
C. C. Ettling, D. V. S., *Asst. Vet.*
G. E. Maxwell, D. V. S., *Asst. Vet.*
W. E. Patterson, D. V. S., *Asst. Vet.*
C. L. Elliott, D. V. M., *Asst. Vet.*
Wichita:
E. F. Cary, D. V. S., *Assoc. Vet., Insp. in charge.*
W. A. Smith, D. V. S., *Asst. Vet., Supvr.*
Kentucky—Louisville:
J. B. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*
Guy Bard, V. M. D., *Asst. Vet., Supvr.*
H. H. Myers, V. S., *Asst. Vet.*

Public Stockyards Inspection—Continued.
Louisiana—New Orleans:
C. H. Horcher, D. V. M., *Assoc. Vet., Insp. in charge.*
E. J. Meixel, D. V. S., *Asst. Vet.*
Maryland—Baltimore:
R. W. Culbert, M. D. V., *Sr. Vet., Insp. in charge.*
A. B. Angell, V. S., M. D. V., *Asst. Vet.*
Michigan—Detroit:
C. E. Mootz, D. V. M., *Vet., Insp. in charge.*
W. G. Adams, D. V. M., *Asst. Vet.*
Minnesota—South St. Paul:
O. Hornlein, M. D. V., *Sr. Vet., Insp. in charge.*
M. A. Sappington, D. V. S., *Asst. Vet., Supvr.*
J. D. Bloemers, D. V. M., *Asst. Vet.*
R. I. Lowenberg, D. V. M., *Jr. Vet.*
C. E. Redden, D. V. M., *Asst. Vet.*
Mississippi—Meridian:
Hartwell Robbins, D. V. S., *Vet., Insp. in charge.*
J. W. Harner, D. V. M., B. S., *Asst. Vet.*
Missouri—South St. Joseph:
O. W. Seher, D. V. M., *Assoc. Vet., Insp. in charge.*
E. J. Cary, D. V. S., *Asst. Vet., Supvr.*
Nebraska—Omaha:
W. W. Lawson, M. D. C., *Sr. Vet., Insp. in charge.*
D. C. Murdock, M. D. C., *Asst. Vet., Supvr.*
G. P. Everly, D. V. S., *Asst. Vet.*
Frank Jelen, D. V. S., *Asst. Vet.*
C. A. Jerome, D. V. S., *Asst. Vet.*
New Jersey—Jersey City:
E. H. Baumann, D. V. M., *Assoc. Vet., Insp. in charge.*
M. J. Myers, V. S., *Asst. Vet., Supvr.*
New York:
Buffalo:
B. J. Stockler, D. V. M., *Vet., Insp. in charge.*
B. P. Wende, V. S., *Assoc. Vet., Supvr.*
C. R. Perkins, D. V. M., *Asst. Vet.*
New York:
A. F. Staub, D. V. M., *Sr. Vet., Insp. in charge.*
W. R. Fleming, D. V. S., *Asst. Vet.*
North Dakota:
West Fargo:
J. A. Thompson, B. S., D. V. S., *Assoc. Vet., in charge.*
H. L. Rae, D. V. M., *Asst. Vet., Supvr.*
Ohio:
Cincinnati:
G. W. Famous, V. M. D., *Vet., Insp. in charge.*
F. B. Drake, D. V. M., *Asst. Vet., Supvr.*
Cleveland:
C. P. Hart, V. S., *Vet., Insp. in charge.*
G. C. Mawer, D. V. M., *Asst. Vet.*
Dayton:
C. H. Herrold, M. D. V., V. S., *Assoc. Vet., Insp. in charge.*
Oklahoma—Oklahoma City:
L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
W. L. Hiatt, M. D. C., *Asst. Vet.*
Oregon—Portland:
P. P. Taylor, D. V. M., *Assoc. Vet., Insp. in charge.*
A. M. Blackwell, V. S., *Asst. Vet., Supvr.*
Pennsylvania:
Lancaster:
H. S. Weber, M. D. V., *Assoc. Vet., Insp. in charge.*
Philadelphia:
C. J. Millen, D. V. M., *Sr. Vet., Insp. in charge.*
F. S. Hope, V. M. D., *Asst. Vet.*
Pittsburgh:
A. R. Smith, V. M. D., *Assoc. Vet., Insp. in charge.*
H. K. Walter, D. V. M., *Asst. Vet., Supvr.*
South Dakota—Sioux Falls:
W. R. Kidwell, D. V. M., *Assoc. Vet., Insp. in charge.*
C. L. White, D. V. S., *Asst. Vet., Supvr.*
Tennessee:
Chattanooga:
G. R. Hartman, D. V. S., *Assoc. Vet., Insp. in charge.*

Public Stockyards Inspection—Continued.
Tennessee—Continued.
Memphis:
R. V. Rafnel, D. V. M., *Assoc. Vet., Insp. in charge.*
C. P. Branigan, M. D. C., *Asst. Vet., Supvr.*
Nashville:
R. H. Nutt, D. V. M., *Assoc. Vet., Insp. in charge.*
J. E. Bender, D. V. M., *Asst. Vet.*
Texas:
Fort Worth:
H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
W. L. Endsley, D. V. S., *Asst. Vet., Supvr.*
D. E. Warner, D. V. M., *Asst. Vet.*
G. H. Ehlers, D. V M., *Asst. Vet.*
San Antonio:
Wm. Thompson, M. D. C., *Assoc. Vet., Insp. in charge.*
J. S. Oldham, D. V. M., *Asst. Vet.*
Utah:
North Salt Lake City:
J. E. Dwyer, D. V. M., *Asst. Vet., Insp. in charge.*
Ogden:
F. E. Murray, D. V. M., *Assoc. Vet., Insp. in charge.*
Irvin Owens, D. V. S., *Asst. Vet., Supvr.*
Virginia—Richmond:
Henry Marshall, V. M. D., *Assoc. Vet., Insp. in charge.*
A. W. Kay, D. V. S., *Asst. Vet.*
Washington:
Seattle:
A. S. Martin, D. V. M., *Assoc. Vet., Insp. in charge.*
Spokane:
J. A. Zimmerman, D. V. S., *Assoc. Vet., Insp. in charge.*
W. A. Davidson, D. V. S., *Asst. Vet., Supvr.*
West Virginia—Wheeling:
L. A. Licking, D. C. M., *Assoc. Vet., Insp. in charge.*
Wisconsin—Milwaukee:
B. C. Johnson, D. V. M., *Assoc. Vet., Insp. in charge.*
R. E. Cochrane, M. D. V., *Asst. Vet.*

PATHOLOGICAL DIVISION

Harry W. Schoening, V. M. D., *Prin. Vet., Chief.*
L. T. Giltner, D. V. M., M. S., *Sr. Vet., Asst. Chief.*

Diseases of Animals (Pathology, Bacteriology, Serology, and Immunology):
L. T. Giltner, D. V., M. S., *Sr. Vet.*
William S. Gochenour, V. M. D., *Sr. Vet.*
William M. Mohler, D. V. M., *Vet.*
C. D. Stein, V. M. D., *Assoc. Vet.*
Chester N. Dale, D. V. M., *Asst. Vet.*
Herbert Rogers, *Under Sci. Helper.*
Maurice S. Shahan, D. V. M., *Assoc. Vet.*

Poultry Diseases:
Warren B. Shook, V. M. D., *Assoc. Vet.*
H. Bunyea, A. B., D. V. S., *Vet.*

Stock Poisoning by Plants:
Arthur B. Clawson, B. A., *Physiol.*
Edward A. Moran, B. S., *Jr. Physiol.*
James F. Couch, A. B., A. M., Ph. D., *Chem. (Toxicology).*

General Pathology:
Gilbert T. Creech, D. V. S., *Vet.*

Branch Pathological Laboratories:
Colorado—Denver:
George W. Stiles, B. S., M. D., Ph. D., *Assoc. Bact.*
C. L. Davis, D. V. M., *Asst. Vet.*
Jeanne D. Guerin, Jr., *Sci. Aid.*
Illinois—Chicago:
John S. Bengston, D. V. M., *Asst. Vet.*
H. R. Seibold, V. M. D., *Jr. Vet.*
Maryland:
Beltsville:
Walter J. Hall, D. V. M., *Asst. Vet.*
W. T. Miller, D. V. M., M. S., Ph. D., *Assoc. Vet.*
Oswald L. Oteen, *Jr. Vet.*

DIVISION OF TICK ERADICATION AND SPECIAL DISEASES

W. M. MacKellar, V. S., *Prin. Vet., Chief.*
FIELD STATIONS (work conducted in cooperation with States):
Alabama—Montgomery:
R. E. Jackson, V. S., *Assoc. Vet., Insp. in charge.*
J. W. Venable, D. V. M., *Asst. Vet.*
Arkansas—Little Rock:
S. H. Still, D. V. S., *Assoc. Vet., Insp. in charge.*
H. F. Kern, D. V. S., *Asst. Vet.*
Allen W. Rice, D. V. M., *Asst. Vet.*
Colorado—Denver:
A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
Florida—Jacksonville:
T. W. Cole, D. V. M., *Vet., Insp. in charge.*
T. H. Applewhite, D. V. M., *Assoc. Vet.*
B. N. Lauderdale, D. V. M., *Asst. Vet.*
J. P. Mack, D. V. S., *Asst. Vet.*
Edwin L. Peck, D. V. M., *Jr. Vet.*
Dudley B. Pellette, D. V. M., *Asst. Vet.*
Fred E. Rambo, D. V. M., *Asst. Vet.*
John Redmond, D. V. M., *Asst. Vet.*
H. W. Willis, D. V. M., *Asst. Vet.*
J. R. Wirthlin, D. V. M., *Asst. Vet.*
John W. Woods, D. V. M., *Asst. Vet.*
John H. Yoder, D. V. M., *Asst. Vet.*
Georgia—Atlanta:
A. L. Hirleman, D. V. M., *Assoc. Vet., Insp. in charge.*
Harry Trumbo, D. V. M., *Asst. Vet.*
Illinois—Springfield:
James McDonald, D. V. M., *Assoc. Vet., Insp. in charge.*
I. N. Habecker, M. D. V., *Asst. Vet.*
J. H. Murphy, D. V. M., *Asst. Vet.*
Indiana—Indianapolis:
H. Busman, V. S., M. D., *Vet., Insp. in charge.*
H. C. Wilson, D. V. S., *Asst. Vet.*
Iowa—Des Moines:
J. A. Barger, D. V. S., *Sr. Vet., Insp. in charge.*
R. M. Hofferd, D. V. M., *Jr. Vet.*
J. O. F. Price, D. V. S., *Asst. Vet.*
Kansas—Topeka:
N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*
Kentucky—Frankfort:
W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*
Ocie Carter, D. V. M., *Jr. Vet.*
R. D. Green, D. V. M., *Asst. Vet.*
Louisiana—Baton Rouge:
W. A. McDonald, D. V. M., *Assoc. Vet., Insp. in charge.*
J. C. Barney, V. M. D., *Asst. Vet.*
D. D. Conner, D. V. S.. *Asst. Vet.*
Wm. L. Davis, D. V. S., B. A., *Asst. Vet.*
N. N. Hatcher, D. V. M., *Asst. Vet.*
J. T. Mills, D. V. M., *Asst. Vet.*
R. V. Pilgrim, D. V. M., *Asst. Vet.*
E. B. Shaw, V. S., M. D. V., *Asst. Vet.*
Maryland—College Park:
Mark Welch, D. V. M., *Acting Insp. in charge.*
O. K. Hoffman, D. V. M., *Asst. Vet.*
E. J. McLaughlin, D. V. M., *Asst. Vet.*
Michigan—Lansing:
T. S. Rich, V. S., *Sr. Vet., Insp. in charge.*
W. J. Madell, D. V. M., *Asst. Vet.*
Mississippi—Jackson:
Hartwell Robbins, D. V. S., *Vet., Insp. in charge.*
Thomas W. Boman, D. V. M., *Assoc. Vet.*
P. H. Mommsen, D. V. M., *Asst. Vet.*
Missouri—Jefferson City:
Ralph Graham, D. V. M., *Assoc. Vet., Insp. in charge.*
S. G. Dreppard, D. V. M., *Asst. Vet.*
Nebraska—Lincoln:
J. O. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
J. E. Peterman,[1] D. V. M., *Asst. Vet.*
North Carolina—Raleigh:
A. A. Husman, D. V. M., *Assoc. Vet., Insp. in charge.*

FIELD STATIONS—Continued.
Ohio—Columbus:
A. J. DeFosset, D. V. M., *Sr. Vet., Insp. in charge.*
A. P. Abbott, M. D. V., *Asst. Vet.*
J. B. Hollenbeck, V. S., M. D. C., *Asst. Vet.*
Oklahoma—Oklahoma City:
L. J. Allen, V. S., *Sr. Vet., Insp. in charge.*
C. H. Fauks,[1] M. D. V., *Asst. Vet.*
R. T. Fisher,[1] D. V. S., *Asst. Vet.*
W. L. Hiatt, M. D. C., *Asst. Vet.*
South Carolina—Columbia:
W. K. Lewis, V. S., M. D. V., *Sr. Vet. (coop. State), Insp. in charge.*
E. E. Lent, D. V. M., *Asst. Vet.*
South Dakota—Pierre:
C. H. Hays, D. V. M., *Assoc. Vet., Insp. in charge.*
C. F. Harrington, M. D. C., *Asst. Vet.*
Tennessee—Nashville:
H. L. Fry, D. V. M., *Assoc. Vet., Insp. in charge.*
J. P. O'Connor, D. V. S., *Asst. Vet.*
Texas—Fort Worth:
H. L. Darby, D. V. S., *Sr. Vet., Insp. in charge.*
Charles W. Brown, D. V. M., *Jr. Vet.*
James H. Cooper, D. V. M., *Asst. Vet.*
W. L. Endsley, D. V. S., *Asst. Vet.*
Arthur W. Horstmann, D. V. S., *Asst. Vet.*
Abner K. Kuttler, D. V. M., *Assoc. Vet.*
Edward E. Maas, D. V. M., *Jr. Vet.*
F. D. Porter, V. M. D., *Asst. Vet.*
Guy W. Rosenberger, D. V. S., B. S., *Asst. Vet.*
Jesse L. Shabram, D. V. M., *Asst. Vet.*
B. A. Taylor, D. V. M., *Asst. Vet.*
D. E. Warner, D. V. S., *Asst. Vet.*
Virginia—Richmond:
R. E. Brookbank, D. V. S., *Assoc. Vet., Insp. in charge.*
T. M. Owen, D. V. S., *Asst. Vet.*
Washington—Olympia:
J. C. Exline, M. D. V., *Assoc. Vet., Insp. in charge.*
F. W. Beckman,[1] D. V. M., *Asst. Vet.*
G. T. Casper,[1] M. D. V., *Asst. Vet.*
L. C. Henderson,[1] D. V. S., *Asst. Vet.*
Wisconsin—Madison:
J. S. Healy, M. D. V., *Sr. Vet., Insp. in charge.*
H. D. Larzelere, D. V. M., *Asst. Vet.*

TUBERCULOSIS ERADICATION DIVISION

A. E. Wight, M. D. V., *Prin. Vet., Chief.*
Elmer Lash, D. V. S., *Sr. Vet., Asst. Chief.*
Hugh M. O'Rear, D. V. M., *Vet.* (travels out of Washington).
FIELD STATIONS (work conducted in cooperation with States):
Alabama—Montgomery:
R. E. Jackson, D. V. M., *Assoc. Vet., Insp. in charge.*
R. H. Hamner, D. V. M., *Asst. Vet.*
C. I. Harkins, D. V. M., *Jr. Vet.*
C. C. Middleton, D. V. M., *Asst. Vet.*
A. W. Vornheder, D. V. M., *Asst. Vet.*
Arkansas—Little Rock:
S. H. Still, D. V. S., *Assoc. Vet.*
R. C. Dickson, D. V. M., B. S., *Jr. Vet.*
I. W. Edwards, M. D. C., *Jr. Vet.*
W. M. Hobdy, D. V. M., *Asst. Vet.*
Ray O. Porter, D. V. S., *Asst. Vet.*
California—Sacramento:
W. E. Howe, V. S., D. V. M., *Assoc. Vet., Insp. in charge.*
G. E. Abrams, D. V. S., *Asst. Vet.*
F. E. Allen, M. D. C., *Asst. Vet.*
C. L. Gooding, D. V. M., *Asst. Vet.*
R. J. Spain, D. V. M., *Asst. Vet.*
W. W. Worcester, V. S., *Asst. Vet.*
Colorado—Denver:
A. H. Francis, D. V. M., *Assoc. Vet., Insp. in charge.*
E. A. Meyer, D. V. S., *Asst. Vet.*
C. E. Wilmot, D. V. M., *Asst. Vet.*

[1] Devotes part time to hog-cholera control work.

FIELD STATIONS—Continued.

Connecticut—Hartford:
R. L. Smith, D. V. S., *Assoc. Vet., Insp. in charge.*
T. J. Ahern, D. V. M., *Asst. Vet.*
F. E. Blake, D. V. M., *Asst. Vet.*
H. B. Davis, D. V. M., *Asst. Vet.*
J. A. Rathbone, D. V. M., *Asst. Vet.*
C. C. Taylor, D. V. M., *Jr. Vet.*

Florida—Jacksonville:
T. W. Cole, D. V. M., *Vet., Insp. in charge.*
R. L. Brinkman, D. V. M., *Asst. Vet.* (*coop. State*).
L. C. Heemstra, D. V. M., *Jr. Vet.*

Georgia—Atlanta:
A. L. Hirleman, D. V. M., *Assoc. Vet., Insp. in charge.*
D. R. Appel, D. V. M., *Jr. Vet.*
C. A. Greenig, D. V. M., *Asst. Vet.*
J. R. Love, D. V. M., *Asst. Vet.*

Idaho—Boise:
J. T. Dallas, D. V. M., B. S. A., *Assoc. Vet., Insp. in charge.*
J. E. Ellis, D. V. Sc., *Asst. Vet.*

Illinois—Chicago:
J. J. Lintner, M. D. C., *Assoc. Vet., Insp. in charge.*
O. Augspurger, D. V. S., *Vet. Insp.* (*coop. State*).
T. M. Bayler, M. D. C., *Asst. Vet.*
G. W. Hess, D. V. M., *Vet. Insp.* (*coop. State*).
T. K. Jones, D. V. M., *Asst. Vet.*
Vernon Lyon, D. V. M., *Asst. Vet.* (*coop. State*).
G. O. Smith, D. V. M., *Vet. Insp.* (*coop. State*).

Indiana—Indianapolis:
H. Busman, V. S., M. D., *Vet., Insp. in charge.*
E. V. Alexander, D. V. M., *Asst. Vet.*
E. E. Coshow, D. V. M., *Asst. Vet.*
J. B. Current, Ph. G., D. V. M., *Asst. Vet.*
J. L. George, D. V. M., *Jr. Vet.*
G. W. Hamilton, D. V. M., *Asst. Vet.*
A. A. Johnson, D. V. M., *Jr. Vet.*
J. P. Rimstidt, D. V. M., *Asst. Vet.*
R. E. Smith, M. D. V., *Asst. Vet.*
E. D. Wright, B. V. Sc., *Asst. Vet.*

Iowa—Des Moines:
J. A. Barger, D. V. S., *Sr. Vet., Insp. in charge.*
B. L. Caudill, D. V. M., *Asst. Vet.*
L. N Jargo, D. V. S., D. V. M., *Asst. Vet.*
H. E. Johnston, D. V. M., *Asst. Vet.*
A. J. Matter, D. V. M., *Jr. Vet.*
F. F. Meads, D. V. M., *Jr. Vet.*
C. J. O'Brien, D. V. M., *Asst. Vet.*
G. B. Senior, B. V. S., *Jr. Vet.*
J. P. Simons, D. V. M., *Asst. Vet.*
G. C. Stong, D. V. M., *Asst. Vet.*
J. M. Wineinger, D. V. M., *Asst. Vet.*

Kansas—Topeka:
N. L. Townsend, V. M. D., *Assoc. Vet., Insp. in charge.*
W. I. Bowersox, D. V. M., *Asst. Vet.*
L. S. Campbell, D. V. S., *Asst. Vet.*
E. C. Cannon, D. V. S., LL. B., *Asst. Vet.*
F. B. Jones, D. V. S., *Asst. Vet.*
C. D. Lash, D. V. S., *Asst. Vet.*
L. C. Songer, D. V. S., *Asst. Vet.*

Kentucky—Frankfort:
W. F. Biles, D. V. M., *Assoc. Vet., Insp. in charge.*
A. S. Barnes, D. V. M., *Asst. Vet.*
J. F. Gest, D. V. M., *Jr. Vet.*
J. R. Houchins, D. V. M., *Asst. Vet.*
E. M. Stemmler, D. V. M., *Jr. Vet.*

Louisiana:
Baton Rouge:
F. C. Driver, D. V. M., *Asst. Vet.*
J. B. Favara, D. V. M., *Jr. Vet.*
E. E. Williams, D. V. M., *Jr. Vet.*
New Orleans:
C. H. Horcher, D. V. M., *Assoc. Vet., Insp. in charge.*

Maine—Augusta:
W. C. Dendinger, D. V. M., *Assoc. Vet., Insp. in charge.*
J. R. Corliss, D. V. M., *Jr. Vet.*
D. K. Eastman, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.

Maryland—Baltimore:
E. B. Simonds, D. V. M., *Assoc. Vet., Insp. in charge* (*coop. State*).
H. L. Armstrong, D. V. M., *Asst. Vet.* (*coop. Hartford County*).
F. H. Benjamin, D. V. M., *Asst. Vet.* (*coop. Cecil County*).
C. B. Breininger, M. D. V., *Asst. Vet.*, (*coop. Caroline County*).
J. F. Creedon, D. V. S., *Asst. Vet.*
W. J. Cross, D. V. M., *Asst. Vet.* (*coop. Montgomery County*).
W. H. Frakes, D. V. M., *Asst. Vet.* (*coop. State*).
J. J. Jones, D. V. M., *Asst. Vet.* (*coop. State*).
O. L. Lockwood, D. V. S., *Asst. Vet.*
E. E. McCoy, D. V. M., *Asst. Vet.*
J. H. Muller, D. V. S., *Asst. Vet.* (*coop. State*).
C. A. Turner, D. V. M., *Jr. Vet.* (*coop. State*).
C. B. Weagley, V. S., *Asst. Vet.* (*coop. Frederick County*).

Massachusetts—Boston:
E. A. Crossman, M. D. V., *Sr. Vet.*, (*coop. N. H.*), *Insp. in charge.*
E. M. Aldrich, V. M. D., *Asst. Vet.*
G. W. Breed, D. V. M., *Jr. Vet.*
K. K. Buriss, D. V. M., *Jr. Vet.*
C. W. Clark, V. S., *Asst. Vet.*
H. K. Copithorn, V. M. D., *Asst. Vet.*
H. N. Hill, M. D. V., *Asst. Vet.*
A. M. Jacoby, D. V. M., *Asst. Vet.*
L. F. Maier, D. V. M., *Asst. Vet.*

Michigan—Lansing:
T. S. Rich, V. S., *Sr. Vet., Insp. in charge.*
W. H. Beck, V. S., *Asst. Vet.*
M. P. Hunt, D. V. M., *Asst. Vet.*
Wm. A. Rader, D. V. M., *Asst. Vet.*

Minnesota—St. Paul:
W. J. Fretz, D. V. S., *Sr. Vet., Insp. in charge.*
C. T. Adamson, D. V. M., *Jr. Vet.*
S. H. Burgess, D. V. M., *Jr. Vet.*
J. E. Griffin, D. V. M., *Asst. Vet.*
R. E. Harvey, D. V. M., *Jr. Vet.*
F. A. Henney, D. V. M., *Asst. Vet.*
J. N. Holzer, D. V. S., *Asst. Vet.*
C. F. Rathbun, D. V. S., *Asst. Vet.*
Henry Roome, V. S., *Asst. Vet.*
A. M. Taylor, D. C. M., *Asst. Vet.*
A. L. Walsh, D. V. M., *Asst. Vet.*
H. E. Wilson, D. V. M., *Jr. Vet.*

Mississippi—Jackson:
Hartwell Robbins, D. V. S., *Vet., Insp. in charge.*
L. L. Denson, Jr., D. V. M., *Asst. Vet.*
J. W. Giffee, D. V. M., *Asst. Vet.*
W. C. Glockner, V. M. D., *Asst. Vet.*

Missouri—Jefferson City:
Ralph Graham, D. V. M., *Assoc. Vet., Insp. in charge.*
T. J. Eagle, D. V. S., *Asst. Vet.*
F. F. Fisher, D. V. M., *Asst. Vet.*
Marvin Gregory, D. V. M., *Asst. Vet.*
E. C. Hughes, D. V. M., *Asst. Vet.*
Ray Kelly, D. V. S., *Asst. Vet.*
F. M. Shigley, D. V. M., *Jr. Vet.*
J. W. Van Vliet, D. V. M., *Jr. Vet.*

Montana—Helena:
J. W. Murdoch, D. V. S., *Assoc. Vet., Insp. in charge.*
W. L. Carson, D. V. M., *Asst. Vet.*
E. A. Grubb. D. V. M., *Asst. Vet.*
F. D. Hylton, D. V. M., *Jr. Vet.*
J. S. Murray, D. V. M., B. S., *Jr. Vet.*
Wm. C. Nye, D. V. M., *Jr. Vet.*
L. E. Patton, D. V. M., *Asst. Vet.*

Nebraska—Lincoln:
J. O. Wilson, D. V. M., *Assoc. Vet., Insp. in charge.*
R. J. W. Briggs, M. D. C., *Asst. Vet.*
C. M. Curl, D. V. M., *Asst. Vet.*
Jas. B. Lavender, D. V. M., *Jr. Vet.*
Neil Plank, D. V. M., *Asst. Vet.*

Nevada—Reno:
R. A. Given, D. V. M., *Assoc. Vet., Insp. in charge.*
A. J. Dickman, D. V. M., *Jr. Vet.*
Wm. F. Fisher, D. V. M., *Asst. Vet.*

FIELD STATIONS—Continued.
New Jersey—Trenton:
J. R. Porteus, D. V. S., *Assoc. Vet., Insp. in charge.*
E. R. Coon, D. V. M., *Asst. Vet.*
G. J. Gruenewald, D. V. M., *Asst. Vet.*
New Mexico—Albuquerque:
F. L. Schneider, B. S., D. V. S., *Sr. Vet., Insp. in charge.*
C. Carter, A. B., D. V. S., *Asst. Vet.*
T. V. Coe, D. V. M., *Asst. Vet.*
E. P. Johnston, D. V. M., *Asst. Vet.*
W. R. Lee, D. V. M., *Asst. Vet.*
F. J. Lingo, LL. B., D. V. M., *Asst. Vet.*
C. E. Moorman, D. V. M., *Jr. Vet.*
W. R. Sheff, D. V. M., B. S., *Jr. Vet.*
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[1] Succeeding J. N. Darling, Chief from Mar. 10, 1934, to Nov. 15, 1935.

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BIRD REFUGES (Field) (*Dep. Refuge Protectors or Managers*, unless otherwise stated):
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Arkansas:
DeWitt
Walter W. Bennett, B. S., *Asst. Mgr. White River Refuge.*
Manila:
Steven B. Crossley, *Protector, Big Lake Refuge.*
Florida:
Brooksville:
W. F. Ward, Chinsegut Hill Refuge.
R. T. Long, Chinsegut Hill Refuge.
St. Marks:
Robt. T. Cochran, *Acting in charge, St. Marks Refuge.*
Georgia—Sapeloe:
Harry E. Magbee, *Protector, Blackbeard Island Refuge.*
Idaho—Rupert:
Jos. Talla,[2] *Minidoka Refugee.*
Maryland—Cambridge:
P. J. Van Huizen, B. S., *Acting Super., Blackwater Refuge.*
Minnesota—Winona (hdqrs. for Minn., Iowa, Wis., and Ill.):
R. C. Steele, *Supt., Upper Mississippi River Wildlife and Fish Refuge.*
R. C. Steele, *Supt.*
E. C. Hotchkiss, LL. B., *Admin. Asst.*
H. C. Lawrence, *Reserv. Ranger.*
J. L. Lundberg, *Reserv. Ranger.*
H. F. Hall, *Reserv. Ranger.*
G. H. Winslow, *Engineman.*
A. J. Cheney, *Jr. Reserv. Ranger.*
Montana:
Lakeview:
Archie V. Hull, *Mgr. Red Rock Lakes Refuge.*
Malta:
B. M. Hazeltine, *Protector, Lake Bowdoin Refuge.*
Moiese:
Robert S. Norton, D. C. M., *Protector, Nine Pipe and Pablo Refuges.*
Nebraska:
Minatare:
H. R. McElwee,[1] *North Platte Refuge.*
Mumper:
Earl S. Ladd, *Acting Super., Crescent Lake Refuge.*
New Mexico:
Carlsbad:
L. E. Foster,[2] *Carlsbad Refuge.*
J. P. Middleton,[2] *Asst.*
Elephant Butte, via Engle:
Geo. R. Shannon,[2] *Elephant Butte Refuge.*
North Dakota:
Pettibone:
Hugh Marston,[1] *Asst., Chase Lake Refuge.*
Tolna:
H. J. Schindele, *Asst. Stump Lake Refuge.*
L. A. Johnson, *Asst., Stump Lake Refuge.*
Oregon:
Burns:
Stanley G. Jewett, *Supt., Lake Malheur Wildlife Refuge.*
Merrill:
Clinton G. Fairchild, *Protector, Tule Lake and Clear Lake Refuges, Calif., and Upper Klamath Wildlife Refuge, Oreg.*
Pendleton:
C. L. Tice,[2] *McKay Creek Refuge.*
South Carolina:
McClellanville:
Andrew H. DuPre, *Jr. Manager, Cape Romain Refuge.*
Edw. M. Moore, *Jr. Manager, Cape Romain Refuge.*

[1] Cooperative protector.
[2] Cooperative protector: Bureau of Reclamation employee.

BIRD REFUGES—Continued.
South Carolina—Continued.
Savannah:
Mannie Carter, *Savannah River Refuge.*
South Dakota—Fruitdale:
F. C. Winkler,[2] *Belle Fourche Refuge.*
Utah:
Brigham:
G. E. Mushbach, *Supt. Bear River Refuge.*
Vanez Wilson, B. S., *Asst. Irrig. Engn.*
Spanish Fork:
Byron H. Tuttle,[1] *Strawberry Valley Refuge.*
Washington—Conconully:
F. B. Tindall,[2] *Conconully Refuge.*

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Albert M. Day, B. S., *Sr. Biol., in charge Pred. and Rodent Control.*
R. W. Williams, LL. B., *Senior Attorney, in charge Importations and Permits.*
F. P. Callaghan, LL. B., *U. S. Game Cons. Off., in charge Law Enforcement.*
F. L. Earnshaw, LL. B., *Asst. in Refuge Admin.*
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Geo. A. Hossick, *Admin. Asst., Permits.*
Guy W. Lane, LL. B., *Jr. Adm. Asst.*

Control Methods Research (Field):
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California—Berkeley:
E. E. Horn, *Assoc. Biol., Dist. Invest.*
Colorado—Denver (lab. hdqrs.):
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Jack F. Welch, *Sr. Biol. Aid., Dist. Invest.*
B. F. Lowery, *Biol., Aid.*
J. C. Ward, B. S., *Assoc. Pharmacol.*
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Oregon—Hillsboro:
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Pennsylvania—Glenolden:
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Supply Depot and Bait Mixing Sta. (Field):
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Paul T. Quick, *Assoc. Biol., in charge.*
Harold O. Crowley, *Sr. Biol. Aid, Asst.*

Region No. 1—Pacific Region:
Wm. M. Rush, *Biol., Reg. Dir. (hdqrs. Portland, Oreg.)*

PREDATOR AND RODENT CONTROL (coop. with States) (Field):
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Sacramento (hdqrs. for Calif.):
Chas. G. Poole, *Assoc. Biol., Dist. Agt.*
Jos. Keyes, *Asst. Biol.*
H. G. Hansen, *Jr. Biol.*
J. G. Traub, *Asst. Leader.*
Ukiah:
Wm. F. Polsen, *Asst. Leader.*
Nevada—Reno (hdqrs. for Nev.):
E. R. Sans, *Assoc. Biol., Dist. Agt.*
Norman F. Gillham, B. S. F., *Jr. Biol.*
Oregon:
Portland (hdqrs. for Oreg.):
Roy Fugate, *Assoc. Biol., Dist. Agt.*
H. W. Dobyns, *Asst. Leader.*
Fred R. Sankey, *Asst. Leader.*
Roseburg:
C. F. Branson, *Asst. Leader.*
Washington:
Olympia (hdqrs. for Wash.):
Leo K. Couch, B. S. A., *Assoc. Biol., Dist. Agt.*
A. L. Rasmussen, *Asst. Leader.*
Spokane:
John Connors, *Sr. Biol., Aid.*
Tacoma:
Clarence A. Tucker, *Agt.*

PREDATOR AND RODENT CONTROL—Continued.
Washington—Continued.
Yakima:
John Finley, B. S. A., *Asst. Biol.*

GAME PROTECTION SERVICE (Field) (*U. S. Game Management Agents*):
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Hugh M. Worcester.
Washington—Spokane:
Webster H. Ransom, A. B., M. S. F.
Milton J. Furness (hdqrs. Portland, Oreg.).

BIG-GAME REFUGE ADMINISTRATION:
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Ernest J. Greenwalt, *in charge, Charles Sheldon Wildlife Refuge.*

Region No. 2—Mountain Plains Region:
Leo L. Laythe, B. S., *Biol., Reg. Dir.* (hdqrs. Denver, Colo.):

PREDATOR AND RODENT CONTROL (coop. with States) (Field):
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Denver (hdqrs. for Colo.):
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Grand Junction:
R. P. McFarland, *Asst. Leader.*
Monte Vista:
J. W. Crook, *Asst. Leader.*
Idaho:
Boise (hdqrs. for Idaho):
T. B. Murray, *Assoc. Biol., Dist. Agt.*
Geo. W. Kerr, *Asst. Biol.*
Hammond Hansen, *Asst. Leader.*
Carey:
Ben Evans, *Asst. Leader.*
Idaho Falls:
H. H. Gubser, *Asst. Leader.*
Lewiston:
O. W. Morris, B. A., *Asst. Leader.*
Pocatello:
L. S. Twitchell, *Asst. Leader.*
Montana:
Billings (hdqrs. for Mont.):
R. E. Bateman, *Assoc. Biol., Dist. Agt.*
Bozeman:
E. C. Cates, B. S. A., *Assoc. Biol.*
Great Falls:
L. M. Cheney, *Asst. Leader.*
Miles City:
O. E. Stephl, B. S. A., *Asst. Biol.*
South Dakota—Mitchell (hdqrs. for N. Dak., S. Dak., and Nebr.):
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Utah:
Predator Control:
Salt Lake City (hdqrs. for Utah):
Geo. E. Holman, *Dist. Agt.*
Ed. Rasmussen, *Asst. Leader.*
Rodent Control:
Salt Lake City (hdqrs. for Utah):
R. S. Zimmerman, *Asst. Biol., Dist. Agt.*
V. L. Johnson, *Agt.*
Wyoming:
Cheyenne (hdqrs. for Wyo.):
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BIG-GAME REFUGE ADMINISTRATION (Field):
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Robert S. Norton, D. C. M., *in charge Nat. Bison Range.*
Nebraska—Valentine:
Geno A. Amundson, *in charge Niobrara Game Preserve.*
North Dakota—Fort Totten:
Wesley D. Parker, *in charge Sullys Hill Game Preserve.*
Wyoming—Jackson:
Almer P. Nelson, *in charge Elk Refuge.*
Troy W. Pratt, *Asst. in charge, Elk Refuge.*

Region No. 3—Southwestern Region:
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New Mexico—Albuquerque (hdqrs. for N. Mex.):
John C. Gatlin, *Assoc. Biol., Dist. Agt.*
S. C. Rogers, *Asst. Leader.*
T. L. English, *Asst. Leader.*
Oklahoma—Oklahoma City (hdqrs. for predator control, Okla. and Ark.):
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Texas:
Predator Control:
Fort Stockton:
Eddie B. Ligon, *Asst. Leader.*
San Antonio (hdqrs. for Tex.):
C. R. Landon, *Dist. Agt.*
E. T. Personett, *Asst. Leader.*
A. B. Bynum, *Asst. Leader.*
James E. Poore, *Asst. Leader.*
Rodent Control:
Lubbock:
J. M. Hill, Jr., B. S., *Jr. Biol.*
San Antonio (hdqrs. for Tex.):
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C. E. Gillham, B. S.
Oklahoma—Oklahoma City:
Milton H. Boone, *Actg. Agt.*
Texas—Houston:
Frank Clarkson.

BIG-GAME REFUGE ADMINISTRATION (Field):
Oklahoma—Cache:
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Region No. 4—West-Central Region:
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Missouri—St. Louis:
Harry Barmeier.
Wisconsin—Madison:
John E. Perry.

Region No. 5—Southern Region:
Roy Moore, *Biol., Reg. Dir.* (hdqrs. State College, Miss.):
RODENT CONTROL (coop. with States) (Field):
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Robert B. Deen, *Jr. Biol., Dist. Agt.*

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Louisiana—New Orleans:
Lawrence J. Merovka.
Tennessee—Memphis:
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Region No. 6—East Central Region:
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RODENT CONTROL (coop. with States) (Field):
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G. C. Oderkirk, B. S. A., *Asst. Biol., Dist. Agt.*

GAME PROTECTION SERVICE (Field) (*U. S. Game Management Agts.):*
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Robert C. Soaper.
Michigan—Bay City:
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Region No. 7—Southeastern Region:
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F. N. Jarvis, *Sr. Biol. Aid.*

RODENT CONTROL (coop. with States) (Field):
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North Carolina—Raleigh (hdqrs. for Va., N. C. and S. C.):
George B. Lay, M. S., *Dist. Agt.*

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Jay V. Kelsey.
Georgia—Savannah:
John C. S. Boswell.
Maryland—Cambridge:
Orin D. Steele.
North Carolina—Washington:
William L. Birsch.
Virginia—Tappahannock:
Louis A. Branchaud.

Region No. 8—Northeastern Region.
Bertrand E. Smith, *Reg. Dir.* (Hdqrs. Portland, Maine).

RODENT CONTROL (coop. with States) (Field):
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E. M. Mills, B. S., *Jr. Biol.*

GAME PROTECTION SERVICE (Field) (*U. S. Game Management Agts.):*
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Lee F. Brackett.
Samuel T. Miller, Jr., *Dep. Agt.*
New Jersey—Pleasantville:
Albert Stadlmeir.
New York—Owego:
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Alaska Game Commission (Field):
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Earl N. Ohmer, Petersburg.
Second Judicial Div.:
Frank P. Williams, St. Michael.
Third Judicial Div.:
Andrew A. Simons, Lakeview, via Seward.
Fourth Judicial Div.:
Irving McK. Reed, *Chairman*, Fairbanks.
Chief resident repres. of Biol. Surv.:
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K. G. Clark, Ch. E., M. S., Ph. D., *Assoc. Chem.*
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Mixed Fertilizers:
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A. R. Merz, M. S., Ph. D., *Chem.*
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Katharine S. Love, A. B., M. S., *Jr. Chem.*
S. Brunauer, A. B., M. S., Ph. D., *Jr. Chem.*

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L. R. Maxwell, A. B., Ph. D., *Assoc. Phys.*
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COLOR AND FARM WASTE DIVISION

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Catalytic Oxidations:
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J. J. Stubbs, B. S., M. A., *Jr. Chem.*

Biological Stains:
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Florida—Winter Haven:
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J. Davidson, B. S. A., Ph. D., *Assoc. Chem.*
M. R. Coe, M. S., *Assoc. Chem.*

Bacteriology:

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H. H. Hall, B. S., *Asst. Bact.*
H. F. Smart, B. S., *Asst. Pathologist.*
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T. L. Swenson, Ph. C., M. S., Ph. D., *Assoc. Bact.*
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S. Phillips, *Jr. Sci. Aid.*

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E. N. Poulson, M. S., *Asst. Soil Surv.*
A. E. Shearin, B. S., *Asst. Soil Surv.*
H. M. Smith, B. S., *Asst. Soil Surv.*
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W. J. Leighty, B. S., *Asst. Soil Surv.*
J. T. Miller, A. B., *Asst. Soil Surv.*
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D. Burk, B. S., Ph. D., *Assoc. Chem.*
C. A. Ludwig, M. S. A., Ph. D., *Assoc. Plant Physiol.*
H. Lineweaver, M. S., *Jr. Chem.*
S. R. Hoover, B. S., *Jr. Chem.*
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L. A. Pinck, Ch. E., M. S., *Asst. Chem.*
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FIELD LABORATORIES:
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Orleans: (Substation of Vincennes)
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S. A. Summerland, M. A., M. S., *Jr. Ent.*
Vincennes:
L. F. Steiner, M. S., *Asst. Ent., in charge.*
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A. J. Ackerman, M. S., *Asst. Ent.*
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Francis Munger, B. S., *Jr. Ent.*
Missouri—St. Joseph:
Howard Baker, B. S., *Assoc. Ent., in charge.*
H. G. Butler, B. S., M. S., *Asst. Ent.*
New York—Geneva:
D. L. Collins, M. S., Ph. D., *Agt., in charge.*
Oregon—Corvallis:
S. C. Jones, M. S., *Agt., in charge.*
Washington—Yakima:
E. J. Newcomer, A. B., *Sr. Ent., in charge.*
E. R. Van Leeuwen, B. S., *Assoc. Ent.*
M. A. Yothers, M. S., *Assoc. Ent.*
E. P. Dean, B. S., *Jr. Ent.*
West Virginia—Kearneysville:
Edwin Gould, B. S., *Agt., in charge.*
G. H. Geissler, B. S., *Jr. Ent.*

Grape Insects:

FIELD LABORATORY:
Ohio—Sandusky:
G. A. Runner, *Assoc. Ent., in charge.*
G. W. Still, B. S., *Asst. Ent.*

Nut Insects:

FIELD LABORATORIES:
Georgia:
Albany:
G. F. Moznette, B. S., *Ent., in charge.*
Sam. O. Hill, B. S., *Jr. Ent.*
Herbert Spencer, M. S., Ph. D., *Ent., in chg. Parasite Invest.*
Experiment:
T. L. Bissell, B. S., *Collab., in charge.*
Louisiana—Shreveport (Substation of Brownwood, Tex.):
W. C. Pierce, B. S., *Jr. Ent., in charge.*
Texas—Brownwood:
C. B. Nickels, M. S., *Assoc. Ent., in charge.*

Peach Insects:

FIELD LABORATORIES:
Georgia—Fort Valley:
O. I. Snapp, M. S., *Ent., in charge.*
J. R. Thomson, Jr., M. S., *Jr. Ent.*
New Jersey—Moorestown:
H. W. Allen, Ph. D., *Ent., in charge fruit moth parasite work.*
G. J. Haeussler, B. S., *Asst. Ent.*
J. K. Holloway, B. S., *Asst. Ent.*
W. P. Yetter, Jr., M. S., *Assoc. Ent., in charge fruit moth bait work.*

Subtropical Fruit Insects:

FIELD LABORATORIES:
California—Whittier:
B. L. Boyden, A. B., *Sr. Ent., in charge.*
E. A. McGregor, A. M., *Assoc. Ent.*
F. S. Stickney, M. S., Ph. D., *Assoc. Ent.*
Bessie M. Broadbent, B. S., *Asst. Ent.*
H. R. Yust, A. B., M. S., *Jr. Ent.*
Florida—Orlando:
Herbert Spencer, M. S., Ph. D., *Ent., in charge.*
M. R. Osburn, M. S., *Asst. Ent.*
Puerto Rico—Mayaguez:
L. C. McAlisler, Jr., B. S., *Ent., in charge.*
J. W. Balock, B. S., *Jr. Ent.*

Insecticidal Value of Oils:

FIELD LABORATORY:
Ohio—Wooster:
A. W. Cressman, B. S., *Assoc. Ent., in charge.*

Dried Fruit Insects:

FIELD LABORATORY:
California—Fresno:
Perez Simmons, B. S., *Ent., in charge.*
Dwight F. Barnes, B. S., *Asst. Ent.*
Heber C. Donohoe, M. S., *Asst. Ent.*
C. K. Fisher, B. S., *Asst. Ent.*

Japanese and Asiatic Beetle Investigations:

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I. M. Hawley, B. A., Ph. D., *Sr. Ent.*
J. L. King, M. S., Ph. D., *Sr. Ent.*
W. E. Fleming, M. S., Ph. D., *Ent.*
Henry Fox, B. S., M. A., Ph. D., *Assoc. Ent.*
T. R. Gardner, B. S., *Assoc. Ent.*
H. C. Hallock, LL. B., M. S., *Assoc. Ent.*
F. W. Metzger, B. S., *Assoc. Ent.*
R. D. Chisholm, B. S., *Assoc. Chem.*
F. E. Baker, B. S., *Asst. Ent.*
M. H. Brunson, M. S., *Asst. Ent.*
J. W. Lipp, B. S., M. S., *Asst. Ent.*
L. B. Parker, B. S., *Asst. Ent.*
R. T. White, B. S., *Asst. Ent.*
Louis Koblitsky, B. S. in Chem. Engin., *Jr. Chem.*
S. R. Dutky, B. S., *Agt.*
R. W. Coles, *Jr. Sci. Aid.*

Japanese and Asiatic Beetle Investigations—Con.
FIELD LABORATORIES—Continued
NEW JERSEY—Moorestown—Continued.
C. W. Mell, B. S., M. S., *Field Aid.*
C. M. Wible, B. S., M. A., *Field Aid.*
T. N. Dobbins, B. S., M. S., *Asst. Field Aid.*
J. T. Eisley, B. S., *Asst. Field Aid.*
W. W. Maines, *Asst. Field Aid.*
W. T. Price, B. S., *Asst. Field Aid.*

DIVISION OF FRUIT-FLY INVESTIGATIONS

(Hdqrs., Mexico City, Mex.)

A. C. Baker, Ph. D., *Prin. Ent. in charge.*
FIELD LABORATORIES:
Canal Zone—Balboa:
James Zetek, A. B., *Assoc. Ent., in charge.*
Maria T. Paredes, *Under Biol. Aid (Ent.).*
Hawaii—Honolulu:
O. C. McBride, B. S., *M. A., in charge.*
A. C. Mason, M. S., *Assoc. Ent.*
C. B. Keck, M. S., *Jr. Ent.*
Kam Hu Lau, *Jr. Chem. Engin.*
R. H. Marlowe, B. S., *Sr. Sci. Aid.*
Mexico—Mexico City, District Federal.
A. C. Baker, Ph. D., *Prin. Ent., in charge.*
W. E. Stone, B. S., *Assoc. Ent.*
Miyauooto McPhail, B. S., *Asst. Ent.*
C. C. Plummer, M. S., *Asst. Ent.*

DIVISION OF JAPANESE BEETLE CONTROL

(General hdqrs., White Plains, N. Y.)

L. H. Worthley, *Prin. Admin. Off. in charge.*
H. J. Dodd, *Chief Sci. Aid, in charge of Dutch elm disease eradication field work.*
O. N. Liming, Ph. D., *Agt. in charge of Dutch elm disease eradication technical activities.*
H. C. Ameigh, A. B., LL. B., *Admin. Off.*
C. M. Fox, *Admin. Off.*
R. W. Sherman, B. S., *Asst. Pl. Quar. Insp.*
T. C. F. Cronin, B. S., *Asst. Pl. Quar. Insp.*
C. A. Cain, *Agt.*

Japanese Beetle Field Work:
Delaware—Dover:
W. E. Cranston, *Agt., in charge of quar. in Del.*
Maryland—Baltimore:
W. C. Armstrong, *Field Supor. in Insect Control, in charge of quar. in Md.*
F. L. O'Rourke, B. S., *Jr. Ent.*
Massachusetts—Boston:
H. N. Bartley, B. S., *Assoc. Ent., in charge of Japanese beetle and moth quar. in New England States.*
J. W. Enwright, *Sr. Field Aid.*
Missouri—St. Louis:
O. K. Courtney, B. S., *Jr. Pl. Quar. Insp.*
New Jersey:
Glassboro:
W. N. Dobbs, *Field Supor. in Insect Control.*
White Horse:
J. H. Harman, B. S., *Asst. Ent., in charge of quar. in N. J.*
V. A. Johnson, B. S., *Asst. Pl. Quar. Insp.*
F. G. Winn, *Field Supor. in Insect Control.*
W. L. Caskey, B. S., *Jr. Pl. Quar. Insp.*
New York:
New York:
C. H. Zimmer, *Agt., in charge of quar. in N. Y. City and L. I.*
Syracuse:
M. J. Kelly, *Field Supor. in Insect Control, in charge of quar. in N. Y. (except N. Y. City and L. I.).*
Pennsylvania:
New Cumberland:
H. A. Burkmeyer, *Supt. Garage.*
Philadelphia:
C. W. Stockwell, *Sr. Admin. Off., in charge of Japanese beetle field work.*
G. B. Stichter, *Agt. in charge of quar. in eastern Pa.*
C. W. Lewis, B. S., *Pr. Sci. Aid.*
Pittsburgh:
J. K. Gould, *Agt., in charge of quar. in western Pa.*

Japanese Beetle Field Work—Continued.
Virginia:
Norfolk:
J. S. Stockbridge, *Field Supor. in Insect Control.*
Richmond:
H. B. Ward, *Agt. in charge of quar. in Va. and D. C.*

Dutch Elm Disease Eradication Field Work:
Connecticut:
L. R. Fate, B. A., *Chief Sci. Aid, State Leader.*
T. M. Cannon, *Sr. Sci. Aid, Asst. State Leader.*
New Jersey:
I. W. Betts, *Jr. Agt., State Leader.*
New York:
J. F. Wootten, *Chief Sci. Aid, State Leader.*
H. B. Johnson, B. S., *Jr. Path., Asst. State Leader.*

Gypsy and Brown-tail Moth Inspection and Certification:
F. W. Graves, Jr., *Sr. Admin. Asst.*
QUARANTINE INSPECTION DISTRICTS:
Connecticut:
Manchester:
W. W. Eells, *Agt.*
Middletown:
J. F. McDevitt, *Sr. Sci. Aid.*
Willimantic:
J. F. Keough, *Sr. Sci. Aid.*
Maine:
Bangor:
A. C. Ward, *Sr. Sci. Aid.*
Portland:
L. H. Noble, *Sr. Sci. Aid.*
Massachusetts:
Boston:
P. H. Meagher, *Sr. Sci. Aid.*
Framingham:
P. S. Coffin, *Sr. Sci. Aid.*
Greenfield:
C. A. Manchester, *Sr. Sci. Aid.*
Wakefield:
I. B. Newbegin, *Sr. Sci. Aid.*
Middleboro:
J. J. Roach, *Sr. Sci. Aid.*
Quincy:
R. W. Kennedy, *Sr. Sci. Aid.*
Westfield:
G. A. Hancock, *Agt.*
New Hampshire:
Concord:
D. Harrington, *Sr. Sci. Aid.*
Keene:
J. Keefe, *Sr. Sci. Aid.*
Lebanon:
R. H. Flaker, *Agt.*
Nashua:
H. I. Winchester, *Prin. Sci. Aid.*
Plymouth:
J. F. Murray, *Sr. Sci. Aid.*
Rhode Island:
Newport:
M. J. Anderson, *Field Supvr. in Insect Control.*
Westerly:
W. J. Ahearn, *Sr. Sci. Aid.*
Vermont:
Barre:
R. L. Emrick, *Agt.*
Rutland:
H. E. Singer, *Agt.*

European Corn Borer Inspection and Certification Work:
Indiana—Indianapolis:
C. O. Larrabee, *Sr. Field Aid.*
Massachusetts—Boston:
R. S. Clifton, *Sr. Admin. Asst.*
W. J. Powers, *Field Supvr. in Insect Control.*
Michigan—Detroit:
T. J. Wehrschmidt, *Agt.*
New Jersey:
Rutherford:
H. V. Hotchkin, *Agt.*
White Horse:
L. D. Gray, *Agt.*

European Corn Borer Inspection and Certification Work—Continued.

New York:
Huntington, L. I.:
T. B. Heald, *Field Supvr. in Insect Control.*
Syracuse:
Arthur Viall, *Field Supvr. in Insect Control.*
Leland Wolfe, *Agt.*
White Plains:
P. A. Howell, *Agt.*
Ohio—Bellefontaine:
O. P. Norris, *Field Supvr. in Insect Control.*

DIVISION OF TRUCK CROP AND GARDEN INSECTS

W. H. White, B. S., *Prin. Ent., in charge.*
D. J. Caffrey, B. S. *Sr. Ent.*
Mary F. Benson,* *Sr. Sci. Illustr.*

Truck Crop Insects:

FIELD LABORATORIES:
Arizona—Phoenix (lettuce insects):
K. B. McKinney, B. S., *Asst. Ent.*
California:
Alhambra (pepper weevil, wireworms, and tomato pinworm):
R. E. Campbell, M. S., *Ent., in charge.*
J. C. Elmore, B. S., *Asst. Ent.*
M. W. Stone, B. S., *Jr. Ent.*
Ventura (bean insects):
Rodney Cecil, M. S., Ph. D., *Assoc. Ent., in charge.*
Colorado—Grand Junction (bean insects):
R. L. Wallis, B. S., *Jr. Ent., in charge.*
Florida—Sanford (celery insects, mole crickets:)
C. F. Stahl, B. S., *Ent., in charge.*
C. B. Wisecup, M. S., *Asst. Ent.*
J. N. Tenhet, B. S., *Asst. Ent.*
Idaho—Parma (wireworms):
F. H. Shirck, M. S., *Asst. Ent. in charge.*
Louisiana—Baton Rouge (cabbage insects, turnip aphid):
C. E. Smith, M. S., *Assoc. Ent., in charge.*
P. K. Harrison, M. S., *Asst. Ent.*
R. W. Brubaker, M. S., *Jr. Ent.*
Mississippi—Biloxi (sweetpotato weevil, vegetable weevil, and wireworms):
K. L. Cockerham, M. S., *Assoc. Ent., in charge.*
M. M. High, B. S., *Assoc. Ent.*
O. T. Deen, B. S., *Jr. Ent.*
North Carolina—Chadbourn (cabbage insects):
W. A. Thomas, B. S., *Asst. Ent., in charge.*
Ohio—Columbus (bean insects):
N. F. Howard, M. S., Ph. D., *Sr. Ent., in charge.*
R. A. Fulton, M. S., Ph. D., *Assoc. Ent.*
H. C. Mason, M. S., *Asst. Ent.*
B. J. Landis, M. S., *Asst. Ent.*
South Carolina:
Charleston (cabbage insects, melon worm, pickle worm):
W. J. Reid, Jr., B. S., *Asst. Ent., in charge.*
C. O. Bare, M. A., *Asst. Ent.*
Virginia—Norfolk (bean insects):
L. W. Brannon, B. S., *Asst. Ent., in charge.*
Washington:
Puyallup (European earwig):
S. E. Crumb, A. B., *Ent., in charge.*
C. W. Getzendaner, B. S., *Jr. Ent.*
Walla Walla (wireworms):
M. C. Lane, B. S., *Ent., in charge.*
C. E. Woodworth, M. S., Ph. D., *Assoc. Ent.*
R. S. Lehman, M. S., *Asst. Ent.*
E. W. Jones, M. A., *Asst. Ent.*
K. E. Gibson, M. S., *Jr. Ent.*
H. P. Lanchester, M. S., *Jr. Ent.*
Wisconsin—Madison (pea insects):
J. E. Dudley, Jr., M. S., *Ent., in charge.*
T. E. Bronson, M. S., *Jr. Ent.*

Pea Weevil:

FIELD LABORATORIES:
Idaho—Moscow:
T. A. Brindley, M. S., Ph. D., *Asst. Ent., in charge.*
F. G. Hinman, B. S., *Jr. Ent.*
Oregon—Corvallis:
A. O. Larson, M. S., *Ent., in charge.*

Sugar-Beet Insects:

FIELD LABORATORIES:
Arizona—Phoeniz (sugar-beet insects):
V. E. Romney, M. S., *Jr. Ent., in charge.*
California—Modesto:
W. C. Cook, M. S., Ph. D., *Ent., in charge.*
J. C. Chamberlin, M. A., Ph. D., *Assoc. Ent*
H. E. Wallace, M. S., *Assoc. Ent.*
F. R. Lawson, A. B., *Jr. Ent.*
G. T. York, B. S., *Jr. Ent.*
Colorado—Grand Junction:
O. A. Hills, M. S., *Asst. Ent., in charge.*
M. F. Bowen, M. S., *Jr. Ent.*
Idaho—Twin Falls:
J. R. Douglass, M. S., *Assoc. Ent., in charge.*
C. F. Henderson, M. S., *Asst. Ent.*
D. E. Fox, M. S., *Jr. Ent.*
F. H. Harries, M. A., *Jr. Ent.*
Utah—Salt Lake City:
E. W. Davis, M. S., *Asst. Ent., in charge.*
H. E. Dorst, M. A., *Jr. Ent.*

Berry Insects:

FIELD LABORATORIES:
North Carolina—Chadburn (strawberry weevil and root aphid):
W. A. Thomas, B. S., *Asst. Ent., in charge.*
L. B. Reed, B. S., *Jr. Ent.*
Washington—Puyallup:
S. E. Crumb, A. B., *Ent., in charge.*
J. Wilcox, M. S., *Assoc. Ent.*
W. W. Baker, B. S., *Jr. Ent.*

Tobacco Insects:

FIELD LABORATORIES:
Florida—Quincy:
F. S. Chamberlin, B. S., *Asst. Ent., in charge.*
A. W. Morrill, B. S., *Jr. Ent.*
North Carolina—Oxford:
W. A. Shands, M. S., *Assoc. Ent., in charge.*
J. U. Gilmore, B. S., *Asst. Ent.*
N. Allen, M. S., *Asst. Ent.*
J. P. Vinzant, B. S., *Jr. Ent.*
Tennessee—Clarksville:
E. W. Howe, M. S., *Asst. Ent., in charge.*
Joe Milam, *Prin. Sci. Aid.*

Insects Affecting Ornamental and Greenhouse Plants and Mushrooms:

Maryland—Beltsville:
C. A. Weigel, M. S., Ph. D., *Sr. Ent., in charge.*
F. F. Smith, M. S., Ph. D., *Ent.*
A. C. Davis, M. S., *Asst. Ent.*
R. H. Nelson, B. S., *Jr. Ent.*
FIELD LABORATORIES:
New York—Babylon (bulb insects):
F. J. Spruijt, M. S., *Asst. Ent., in charge.*
F. S. Blanton, B. S. A., *Jr. Ent.*
Washington—Sumner (bulb insects):
C. F. Doucette, B. S., *Assoc. Ent., in charge.*
R. Latta, M. S., *Asst. Ent.*
R. Schopp, B. S., *Jr. Ent.*

Stored-Tobacco Insects:

FIELD LABORATORY:
Virginia—Richmond:
W. D. Reed, B. S., *Assoc. Ent. in charge.*
Erskine M. Livingstone, B. S., *Jr. Ent.*

DIVISION OF MEXICAN FRUIT FLY CONTROL

(Hdqrs., Harlingen, Tex.)

P. A. Hoidale, *Sr. Pl. Quar. Insp., in charge.*
N. O. Berry, B. S., *Jr. Ent.*
S. A. Bushland, *Jr. Admin. Asst.*
W. W. Decell, B. S., *Asst. Pl. Quar. Insp.*
W. R. Heard, B. S., *Asst. Pl. Quar. Insp.*
J. W. Patterson, B. S., *Asst. Pl. Quar. Insp.*
E. F. Pepper, B. S., *Asst. Pl. Quar. Insp.*
L. G. Plyler, B. S., *Asst. Pl. Quar. Insp.*
A. V. Smith, B. S., *Asst. Pl. Quar. Insp.*
F. O. Swan, B. S., *Asst. Pl. Quar. Insp.*
Adolph Thomae, B. S., *Asst. Pl. Quar. Insp.*
P. C. Avery, M. S., *Jr. Pl. Quar. Insp.*
J. M. Dunham, B. S., *Jr. Pl. Quar. Insp.*
R. V. Ray, B. S., *Jr. Pl. Quar. Insp.*
T. R. Stephens, B. S., *Jr. Pl. Quar. Insp.*
L. F. Greer, *Sr. Pl. Quar. Aid.*

G. V. Harren, *Sr. Pl. Quar. Aid.*
F. G. Bernard, *Agt.*
G. M. Douglas, *Agt.*
L. R. DuBois, *Agt.*
C. O. Gingrass, *Agt.*
F. W. Haughton, *Agt.*
J. W. Monk, B. S., *Agt.*
W. P. Patton, B. S., *Agt.*
D. O. Sikes, B. S., *Agt.*
J. K. Smith, *Agt.*
B. C. Stephenson, B. S., *Agt.*
Burl Stugard, A. B., *Agt.*
O. C. Trotman, B. S., *Agt.*
J. M. Worsham, *Agt.*

DIVISION OF DATE PALM SCALE CONTROL

Coachella Valley (Hdqrs., Indio, Calif.):
B. L. Boyden, A. B., *St. Ent., in charge.*
A. E. Cavanagh, *Chief Sci. Aid.*
L. J. Padget, B. S., *Jr. Pl. Quar. Insp.*
J. E. Tuckett, A. B., *Jr. Pl. Quar. Insp.*
I. C. Caswell, *Sr. Sci. Aid.*
G. F. Fulkerson, *Sr. Sci. Aid.*
M. E. Moore, *Sci. Aid.*
Imperial Valley (Hdqrs., El Centro, Calif.):
H. W. Gray, *Agt., in charge.*
L. C. Cordill, *Agt.*
Arizona (Hdqrs. Yuma, Ariz.):
C. H. Rothe, B. S., *Asst. Pl. Quar. Insp., in charge*

DIVISION OF FOREST INSECT INVESTIGATIONS

F. C. Craighead, M. B., Ph. D., *Prin. Ent., in charge.*
M. W. Blackman, A. M., Ph. D., *Sr. Ent.*
William Middleton, M. A., *Ent.*
R. A. St. George, M. S., *Ent.*

Western Bark Beetles:

FIELD LABORATORIES:
California—Berkeley:
J. M. MILLER, B. S., *Sr. Ent., in charge.*
K. A. Salman, B. S., Ph. D., *Asst. Ent.*
G. R. Struble, M. S., *Asst. Ent.*
J. E. Patterson, *Asst. Ent.*
P. C. Johnson, B. S., *Jr. For.*
Colorado—Ft. Collins:
J. A. Beal, M. S., Ph. D., *Ent. in charge.*
L. G. Baumhofer, M. S., *Assoc. Ent.*
Idaho—Coeur d'Alene:
J. C. Evenden, B. S., *Ent., in charge.*
A. L. Gibson, B. S., *Asst. Ent.*
W. D. Bedard, M. S., *Asst. Ent.*
H. J. Rust, *Sr. Sci. Aid.*
T. T. Terrell, *Asst. Sci. Aid.*
Oregon—Portland:
F. P. Keen, B. S., *Ent., in charge.*
R. L. Furniss, B. S., *Jr. For.*
W. L. Buckhorn, *Sci. Aid.*

Forest-Tree Insects:

FIELD LABORATORIES:
Connecticut—New Haven:
R. C. Brown, B. S., *Ent., in charge.*
H. J. MacAloney, B. S., M. F., *Ph. D., Asst. Ent.*
P. B. Dowden, B. S., *Asst. Ent.*
J. V. Schaffner, Jr., *Asst. Ent.*
S. F. Potts, M. S., *Asst. Ent.*
W. L. Baker, B. S., *Jr. Ent.*
P. A. Berry, B. S., *Jr. Ent.*
J. E. R. Holbrook, *Sr. Sci. Aid.*
Louisiana—New Orleans:
T. E. Snyder, B. A., M. F., Ph. D., *Sr. Ent., in charge.*
Michigan—Ann Arbor:
S. A. Graham, M. F., Ph. D., *Collab., in charge.*
New Jersey—Morristown:
C. W. Collins, M. S., *Sr. Ent., in charge.*
T. H. Jones, B. S., *Sr. Ent.*
R. T. Webber, *Assoc. Ent.*
R. R. Whitten, B. S., *Jr. Ent.*
C. L. Griswold, *Asst. Sci. Aid.*
A. E. Lantz, *Field Asst.*
North Carolina—Asheville:
B. H. Wilford, B. S. F., M. F., Ph. D., *Jr. Ent., in charge.*

Forest-Tree Insects—Continued.

FIELD LABORATORIES—Continued.
Ohio—Columbus:
R. C. Hall, B. S. M. F., Ph. D., *Asst. Ent., in in charge.*
Wisconsin—Milwaukee:
L. W. Orr, M. S. F., *Assoc. Ent., in charge.*
England—Oxford:
D. E. Parker, B. S., *Assoc. Ent., in charge.*

DIVISION OF GYPSY MOTH AND BROWN-TAIL MOTH CONTROL

(Gen. Hdqrs., Greenfield, Mass.)

A. F. Burgess, M. S., *Prin. Ent., in charge.*
S. S. Crossman, B. S., *Sr. Ent.*
H. B. Dalton, *Jr. Admin. Off.*

Scouting and Extermination:

H. L. Blaisdell, *Sr. Admin. Off.*
L. E. Gibson, B. S., *Sr. Admin. Asst.*
NEW ENGLAND AREA:
W. W. Bancroft, *Prin. Sci. Aid.*
H. N. Bean, *Prin. Sci. Aid.*
S. E. Mray, *Prin. Sci. Aid.*
F. N. Bancroft, *Field Supvr. in Insect Control.*
H. H. Harkins, *Field Supvr. in Insect Control.*
G. N. Harris, *Field Supvr. in Insect Control.*
R. M. Kittredge, *Field Supvr. in Insect Control.*
F. C. Rich, *Field Supvr. in Insect Control.*
W. A. Collins, *Sr. Sci. Aid.*
PENNSYLVANIA AREA:
C. T. Davis, *Prin. Sci. Aid.*
W. H. Hanley, *Field Supvr. in Insect Control.*
C. A. McIsaac, *Prin. Sci. Aid.*
F. W. Graham, *Field Supvr. in Insect Control.*
F. C. McDonough, *Field Supvr. in Insect Control*
E. R. Manning, *Field Supvr. in Insect Control.*
O. C. Otis, *Field Supvr. in Insect Control.*
J. W. Regan, *Field Supvr. in Insect Control.*

Collection and Utilization of Field Data:

J. N. Summers, Ph. D., *Admin. Off.*
C. E. Hood, B. S., *Assoc. Ent.*
I. L. Bailey, *Sr. Sci. Aid.*
W. C. Kurtz, B. S., *Asst. Topogrph. Drft.*

DIVISION OF PLANT DISEASE CONTROL

S. B. Fracker, M. S., Ph. D., *Prin. Pl. Quar. Admin., in charge.*

Barberry Eradication:

William L. Popham, B. S., *Sr. Path. in charge.*
Angie M. Beckwith, A. B., *Jr. Path.*
FIELD STATIONS:
Raymond O. Bulger, M. S., *Path., in charge of field operations.*
Dist. no. 1—Fargo, N. Dak. (Mont., N. Dak.)
George C. Mayoue, M. S., *Assoc. Path.*
H. Elwood Morris, M. S., *Agt.*
Ivar Twilde, B. S., *Agt.*
Dist. no. 2—Fort Collins, Colo. (Colo., Wyo.).
Ernest A. Lungren, M. S., *Assoc. Path.*
Illinois—Urbana:
Robert W. Bills, B. S., *Assoc. Path.*
Indiana—La Fayette:
Wayne E. Leer, M. S., *Assoc. Path.*
Iowa—Ames:
Donald R. Shepherd, B. S., *Assoc. Path.*
Massachusetts—Jamaica Plain:
Lawrence M. Ames, Ph. D., *Assoc. Path.*
Michigan—East Lansing:
Francis B. Powers, B. A., *Assoc. Path.*
Minnesota—St. Paul:
Elvin C. Stakman, M. A., Ph. D., *Agt.*
Jonas J. Christensen, B. S., Ph. D., *Agt.*
Ralph U. Cotter, M. S., Ph. D., *Assoc. Path.*
Leonard W. Melander, M. S., Ph. D., *Assoc. Path.*
Gilbert D. George, *Agt.*
Missouri—Columbia:
George N. Frandsen, B. S., *Agt.*
Nebraska—Lincoln:
Marion E. Yount, B. S., *Assoc. Path.*
Ohio—Columbus:
Harry Atwood, M. S., *Assoc. Path.*
Pennsylvania—State College:
L. Kenneth Wright, B. A., *Agt.*

Barberry Eradication—Continued.
FIELD STATIONS—Continued.
South Dakota—Brookings:
George W. Eade, B. S., M. S., *Asst. Path.*
Virginia—Wytheville:
Gallais E. Matheny, B. S., *Asst. Path.*
West Virginia—Morgantown:
Tom Van Zanden, B. S., *Agt.*
Wisconsin—Madison:
Vern O. Taylor, B. S., *Assoc. Path.*

Blister Rust Control—Eastern States:
James F. Martin, M. S., Ph. D., *Sr. Path. in charge.*
FIELD STATIONS:
Northeastern Region (field hdqrs., Cambridge, Mass.):
Edmund C. Filler, B. S. F., *Sr. Path. in charge.*
Kirk K. Stimson, *Chief Sci. Aid.*
Connecticut:
New Haven:
James E. Riley, Jr., B. S., M. F., *Assoc. Path., State Leader.*
Walter O. Filley, *Collab.*
Maine:
Auburn:
Guy H. Kimball, *Chief Sci. Aid, Local Dist. Leader.*
Augusta:
Walter O. Frost, B. S. F., *Assoc. Path., State Leader.*
Belfast:
Harrington G. Bradbury, Jr., *Chief Sci. Aid, Local Dist. Leader.*
North Bridgton:
Daniel S. Curtis, *Chief Sci. Aid, Local Dist. Leader.*
Waterville:
John MacG. White, B. S., *Chief Sci. Aid, Local Dist. Leader.*
Massachusetts:
Boston:
Carl C. Perry, B. S., M. F., *Assoc. Path., State Leader.*
Great Barrington:
George S. Doore, *Chief Sci. Aid, Local Dist. Leader.*
North Abington:
Earle M. Brockway, B. S., *Asst. Path., Local Dist. Leader.*
Taunton:
Lewis W. Hodgkins, *Agt.*
West Springfield:
Ralph E. Wheeler, *Chief Sci. Aid, Local Dist. Leader.*
Worcester:
William Clave, *Chief Sci. Aid, Local Dist. Leader.*
New Hampshire:
Concord:
Leonard E. Newman, *Agt., State Leader.*
Thomas J. King, *Chief Sci. Aid, Local Dist. Leader.*
John H. Foster, M. S., M. F., *Collab.*
Conway:
Stephen H. Boomer, B. S. F., *Asst. Path., Local Dist. Leader.*
Exeter:
Lewis C. Swain, B. S. F., *Asst. Path., Local Dist. Leader.*
Keene:
Frederick J. Baker, *Chief Sci. Aid, Local Dist. Leader.*
Lebanon:
George F. Richardson, Jr., *Chief Sci. Aid, Local Dist. Leader.*
Woodsville:
Thomas L. Kane, A. B., *Chief Sci. Aid, Local Dist. Leader.*
New Jersey:
Trenton:
Paul B. Mott, B. S. A., *Asst. Path., State Leader.*
New York:
Albany:
H. L. McIntyre, *Collab., State Leader.*
George E. Stevens, *Collab.*
Boonville:
Theodore P. Woolschlager, B. S., *Asst. Path., Local Dist. Leader.*

Blister Rust Control—Eastern States—Contd.
FIELD STATIONS—Continued.
Northeastern Region—Continued.
New York—Continued.
Gloversville:
John W. Charlton, B. S., *Asst. Path., Local Dist. Leader.*
Gouverneur:
Charles B. Kresge, B. S., M. F., *Asst. Path., Local Dist. Leader.*
Hyde Park:
Harrison G. Strait, *Chief Sci. Aid, Local Dist. Leader.*
Lewis:
Benjamin H. Nichols, *Agt., Local Dist. Leader.*
Peru:
Harry W. Holcomb, *Chief Sci. Aid, Local Dist. Leader.*
Sand Lake:
Herbert J. McCasland, B. S., *Asst. Path., Local Dist. Leader.*
Saratoga Springs:
Phillip E. Barber, *Chief Sci. Aid, Local Dist. Leader.*
Warrensburg:
Noble H. Harpp, *Chief Sci. Aid, Local Dist. Leader.*
Ernest G. Woodward, *Agt., Local Dist. Leader.*
Pennsylvania:
Brookville:
Marco DeBerti, B. S. F., *Asst. Path., Local Dist. Leader.*
Clearfield:
Paul H. Simmonds, B. S., *Agt., Local Dist. Leader.*
Bellefonte:
Thomas C. Williams, B. S. F., *Agt., Local Dist. Leader.*
Harrisburg:
Richard P. Fatzinger, B. S., *Assoc. Path., State Leader.*
Rhode Island:
Providence:
Archibald C. White, *Collab.*
Vermont:
Bellows Falls:
Frank H. Rose, *Chief Sci. Aid, Local Dist. Leader.*
Montpelier:
Perry H. Merrill, B. S., M. F., *Collab.*
Solon D. Conner, B. S., *Agt., State Leader.*
Rutland:
Morton R. Mulholland, *Agt., Local Dist. Leader.*
St. Johnsbury:
E. Huntley Palmer, *Agt., Local Dist. Leader.*
Lake State Region (field hdqrs. Milwaukee, Wisconsin.
Henry N. Putnam, B. S., *Path., in charge.*
Fred F. Franklin, M. S., *Asst. Forester.*
Iowa:
Ames:
Donald R. Lubberts, B. S., *Asst. Path., State Leader.*
Michigan:
Ann Arbor:
Dow V. Baxter, M. S. F., Ph. D., *Collab.*
Escanaba:
John K. Kroeber, B. S., *Asst. Path., Local Dist. Leader.*
Lansing:
E. C. Mandenberg, B. S. F., *Collab., State Leader.*
Newago:
Robert I. Thompson, B. S., *Asst. Path., Local Dist. Leader.*
Minnesota:
St. Paul:
Lawrence B. Ritter, B. S. F., *Assoc. Path., State Leader.*
William R. Doell, Jr., A. B., *Agt., Local Dist. Leader.*
Duluth:
Donald M. Stewart, B. S., *Asst. Path., Local Dist. Leader.*
Walker:
Jacob N. Licke, Agt., *Local Dist. Leader.*
Louis Hope, *Agt., Local Dist. Leader.*

Blister Rust Control—Eastern States—Contd.

FIELD STATIONS—Continued.
Ohio:
Wooster:
Oscar J. Dowd, M. S., *Asst. Path., State Leader.*
Wisconsin:
Madison:
Theodore F. Kouba, B. S., *Assoc. Path., State Leader.*
Harry G. Luer, B. A., *Agt., Local Dist. Leader.*
Waupaca:
Ray Weber, M. S., *Asst. Path., Local Dist. Leader.*
Cameron:
Darrel H. Slocum, B. A., *Agt., Local Dist Leader.*
Southern Appalachian Region (Field hdqrs., Richmond, Va.):
Roy G. Pierce, A. B., M. S. F., *Path. in charge.*
Georgia:
Dahlonega:
William V. Zimmer, Jr., *Agt., State Leader.*
Maryland:
Cumberland:
Henry E. Yost, B. S., *Agt., State Leader.*
North Carolina:
Asheville:
H. B. Teague, A. B., *Agt., State Leader.*
Tennessee:
Knoxville:
Troy Jones, B. S. A., M. S., *Agt., State Leader.*
Virginia:
Charlottesville:
John G. Luce, Jr., B. S., *Agt., State Leader.*
West Virginia:
Marlinton:
J. M. Ashcroft, M. S., Ph. D., *Agt., State Leader.*

Blister Rust Control—Western States:

Gilbert B. Posey, M. S., Sr. Path., in Charge.
FIELD STATIONS:
Western States (Field hdqrs., Spokane, Wash.):
Stephen N. Wyckoff, B. S., *Sr. Path., Field Supvr. in charge Western States.*
California:
Berkeley:
Thomas H. Goodspeed, Ph. D., *Collab.*
Harold R. Offord, M. A., *Path.*
Clarence R. Quick, A. B., *Asst. Path.*
George R. Van Atta, B. S., *Asst. Path.*
Los Angeles:
Carl C. Epling, M. S., Ph. D., *Collab.*
Oakland:
Warren V. Benedict, B. S. F., *For. in charge field operations, Calif. and Oreg.*
S. Daryl Adams, A. B., *Agt.*
Roy Blomstrom, B. S., *Assoc. For.*
Carl W. Fowler, *Agt.*
Thomas H. Harris, B. S. F., *Assoc. For.*
Benton Howard, B. S., *Jr. For.*
Ralph A. James, B. S., *Agt.*
Arthur London, B. S., *Agt.*
Douglas R. Miller, B. S., *Assoc. For.*
Frank A. Patty, M. S., *Assoc. Path.*
Robert M. Riley, B. S., *Agt.*
Ralph H. Simons, B. A., *Agt.*
Wesley W. Spinney, B. S., *Agt.*
Conrad P. Wessela, B. S., *Agt.*
John N. Mitchell, B. S., M. S., *Asst. For.*
Lyle N. Anderson, *Agt.*
Robert Sovulewski, *Agt.*
Eugene H. Kincaid, *Agt.*
Sacramento:
George A. Root, M. S., *Assoc. Path., State Leader.*
Colorado:
Fort Collins:
Burton O. Longyear, B. S., *Collab.*
Idaho:
Moscow:
Rene P. d'Urbal, A. B., *Asst. Chem.*
Montana:
Missoula:
Charles H. Johnson, B. S. F., *Assoc. Path., State Leader.*
Rutledge Parker, *Collab.*

Blister Rust Control—Western—Continued.

FIELD STATIONS—Continued.
Utah:
Salt Lake City:
Albert O. Garrett, A. B., *Collab.*
Washington:
Spokane:
Herman E. Swanson, A. B., *Path. in charge field operations, Idaho, Mont., and Wash.*
Edward L. Joy, B. S., *Assoc. For., in charge field operations, Colo. and Wyo.*
John F. Breakey, B. S., *Agt.*
Harold A. Brischle, B. S., *Agt.*
Clarence M. Chapman, *Agt.*
H. Miller Cowling, *Chief Sci. Aid.*
Ralph P. Edgerton, A. B., *Agt.*
Harry J. Faulkner, *Agt.*
Aaron H. Glasgow, *Chief Sci. Aid.*
Homer J. Hartman, *Assoc. For.*
Howard D. Langley, B. S., *Agt.*
Fred J. Heinrich, B. S., *Chief Sci. Aid.*
Robert L. MacLeod, A. B., *Agt.*
Sidney E. McLaughlin, B. S., *Agt.*
Virgil D. Moss, B. S., *Agt.*
Neal D. Nelson, *Agt.*
Merrill D. Oaks, *Agt.*
Wayne F. Painter, *Agt.*
Albert L. Pence, *Agt.*
Marvin C. Riley, B. S. F., *Assoc. For.*
Dale L. Swartz, *Agt.*
Frank O. Walters, B. S., *Assoc. Path.*
Leland L. White, *Agt.*

DIVISION OF CEREAL AND FORAGE INSECTS

P. N. Annand, B. S., M. A., Ph. D., *Prin. Ent., in charge.*
W. R. Walton, *Sr. Ent.*
J. S. Wade, *Assoc. Ent.*

General Cereal and Forage Insects:

FIELD LABORATORIES:
Arizona—Tempe (Grasshoppers, Southwestern corn borer, parasites of range caterpillar, insect enemies of alfalfa seed).
V. L. Wildermuth, B. S., *Sr. Ent., in charge.*
E. E. Russell, *Asst. Ent.*
E. G. Davis, B. S., *Asst. Ent.*
O. L. Barnes, M. S., *Jr. Ent.*
L. L. Stitt, B. S., *Jr. Ent.*
California—Sacramento (Alfalfa aphid, Hessian fly, grasshoppers, parasites of alfalfa weevil).
W. B. Cartwright, B. S., *Ent., in charge.*
R. A. Blanchard, A. B., *Assoc. Ent.*
C. C. Wilson, B. S., *Asst. Ent.*
Indiana—Lafayette (Hessian fly, white grubs, chinch bug, corn earworm, cutworms, sod web worms).
C. M. Packard, M. S., *Sr. Ent., in charge.*
Philip Luginbill, A. M., Ph. D., *Assoc. Ent.*
H. R. Painter, M. S., *Assoc. Ent.*
E. V. Walter, B. S., *Assoc. Ent.*
W. B. Noble, B. S., *Asst. Ent.*
Curtis Benton, M. S., *Jr. Ent.*
Kansas—Manhattan (Insect pests of stored grains, Hessian fly, alfalfa aphis, chinch bug, cutworms).
R. T. Cotton, M. S., Ph. D., *Sr. Ent., in charge.*
G. B. Wagner, M. S., *Asst. Ent.*
H. H. Walkden, B. S., *Asst. Ent.*
E. T. Jones, B. S., M. A., *Asst. Ent.*
W. T. Emery, A. M., *Asst. Ent.*
N. E. Good, A. B., Ph. D., *Asst. Ent.*
Wichita (Under direction of R. T. Cotton, *Sr. Ent. in charge of Manhattan lab.;* Hessian fly).
J. R. Horton, B. S., *Ent., in charge.*
Missouri—Webster Groves (Insect pests of sunflowers, corn earworm) (Under direction *Sr. Ent. in charge* Lafayette lab.).
A. F. Satterthwait, *Assoc. Ent., in charge.*

General Cereal and Forage Insects—Continued.

FIELD LABORATORIES—Continued.

Montana—Bozeman (Grasshoppers, Mormon cricket).
J. R. Parker, M. S., Ph. D., *Sr. Ent., in charge.*
R. L. Shotwell, A. M., *Assoc. Ent.*
F. A. Morton, B. S., *Jr. Ent.*

New Mexico—Las Vegas (Range caterpillar and its parasites.) Under direction of *Sr. Ent. in charge of Tempe, Ariz., lab.*
J. C. Frankenfeld, M. S., *Assoc. Ent., in charge.*

Oregon—Forest Grove (Entomophagous fungi; alfalfa aphis; grasshoppers).
L. P. Rockwood, B. S., *Ent., in charge.*
M. M. Reeher, A. B., *Asst. Ent.*

Medford (Under direction of sr. ent. in charge of Salt Lake City, Utah, lab.; alfalfa weevil).
R. C. Newton, M S., *Jr. Ent., in charge.*

Pennsylvania—Carlisle (Hessian fly and its parasites, grain sawflies, hairy vetch weevil).
C. C. Hill, B. S., *Assoc. Ent., in charge.*
J. S. Pinckney, B. S., *Asst. Ent.*
E. J. Udine, B. S., *Jr. Ent.*

Texas—Beaumont (Under direction of ent., in charge of Houma, La., lab.; sugarcane moth borer in corn; insect pests of stored rice).
A. I. Balzer, M. S.; *Asst. Ent., in charge.*

Utah—Salt Lake City (Alfalfa weevil).
G. I. Reeves, A. B., *Sr. Ent., in charge.*
Ralph Bunn, A. B., *Jr. Ent.*
L. J. Jones, B. S., M. A., *Jr. Ent.*
W. C. McDuffie, B. S., *Jr. Ent.*

Virginia—Rosslyn (Corn earworm, leaf hopper injury to legumes, plant disease transmission by insects).
F. W. Poos, M. A., Ph. D., *Sr. Ent., in charge.*
F. F. Dicke, B. S., *Asst. Ent.*
J. W. Scrivener, *Agt.*
Nancy H. Wheeler, *Asst. Sci. Aid.*

Wisconsin—Madison (White grubs).
J. C. Hamlin, M. S., Ph. D., *Ent., in charge.*
T. R. Chamberlin, B. S., *Assoc. Ent.*
Lee Seaton, Asst. *Sci. Aid.*

Sugarcane and Rice Insects:

FIELD LABORATORIES:

Louisiana—Crowley (Under direction of ent. in charge of Houma, La., lab.; insect pests of growing and stored rice).
W. A. Douglas, B. S., *Jr. Ent., in charge.*

Houma (Insect transmission of sugarcane disease; soil animalcula affecting sugarcane, sugarcane beetle, sugarcane moth borer and its parasites, sugarcane mealy bug, sugarcane wireworms).
J. W. Ingram, M. S., *Ent., in charge.*
T. E. Holloway, B. S., *Asst. Ent.*
E. K. Bynum, A. M., M. S., *Asst. Ent.*
W. E. Haley, *Chief Sci. Aid.*

Jeanerette (Under the direction of ent. in charge of Houma, La., lab.; *Trichogramma minutum* as a parasite of sugarcane moth borer).
H. A. Jaynes, B. S., *Assoc. Ent., in charge.*

European Corn Borer:

FIELD LABORATORIES:

Connecticut—New Haven (Under the direction of the sr. ent. in charge of Toledo, Ohio, lab.; insecticidal control of the European corn borer, corn ear worm).
C. H. Batchelder, M. S., Ph. D., *Assoc. Ent., in charge.*
G. W. Barber, D. Sc., *Assoc. Ent.*
D. D. Questel, B. S., *Jr. Ent.*

Massachusetts—Melrose Highlands (Under the direction of the sr. ent. in charge of Toledo, Ohio, lab.; introduction and dispersion of parasites of the European corn borer).
D. W. Jones, B. S., *Ent. in charge.*
L. G. Jones, B. S., *Jr. Ent.*

New Jersey—Moorestown (Under the direction of the sr. ent. in charge, of Toledo, Ohio, lab.; European corn borer and its parasites).
C. A. Clark, B. S., *Asst. Ent., in charge.*
E. D. Burgess, B. S., *Jr. Ent.*

European Corn Borer—Continued.

FIELD LABORATORIES—Continued.

Ohio—Toledo (European corn borer, alfalfa snout beetle, corn earworm).
W. A. Baker, B. S., *Sr. Ent., in charge.*
L. H. Patch, B. S., *Assoc. Ent.*
W. G. Bradley, B. S., *Asst. Ent.*
Morris Schlosberg, M. S., *Asst. Ent.*
A. M. Vance, M. S., *Assoc. Ent.*
K. D. Arbuthnot, B. S., *Jr. Ent.*
E. V. Beck, A. B., *Jr. Ent.*
G. T. Bottger, B. S., *Jr. Ent.*
Ralph Mathes, M. S., *Jr. Ent.*

DIVISION OF COTTON INSECT INVESTIGATIONS

R. W. Harned, B. S. A., *Prin. Ent., in charge.*
U. C. Loftin, M. S., *Sr. Ent.*

FIELD LABORATORIES:

Arizona:

Buckeye (substation of Tucson) (Apr. to Dec.):
T. C. Barber, B. S., *Asst. Ent.*
L. Dean Christenson, B. S., *Field Asst.*

Tucson (Thurberia weevil, hemipterous insects of cotton, soil insects, insects in relation to cotton diseases):
T. P. Cassidy, B. S., *Ent., in charge.*
W. A. Stevenson, B. S., *Jr. Ent.*

Louisiana—Tallulah (bollweevil, parasites of bollweevil, insecticides, miscellaneous cotton insects):
R. C. Gaines, B. S., *Ent., in charge.*
J. W. Folsom, Sc. B., Sc. D., *Ent.*
P. M. Gilmer, A. B., Ph. D., *Assoc. Ent.*
M. T. Young, B. S., *Assoc. Ent.*
P. A. Glick, A. B., M. S., *Asst. Ent.*
G. L. Smith, B. S., *Asst. Ent.*
J. C. Clark, B. S., *Jr. Ent.*
G. L. Garrison, *Sr. Sci. Aid.*
A. L. Scales, *Under Biol. Aid.*

Mexico—Tlahualilo, Durango (branch of Presidio, Tex. lab.) (pink bollworm):
C. S. Rude, M. S., *Asst. Ent.*

Mississippi:

State College (bollweevil, arsenical injury to soils):
H. C. Young, B. S., *Asst. Ent., in charge.*
F. H. Tucker, B. S., *Jr. Chemist.*

Stoneville (bollweevil, weevil resistant characters of cotton):
E. W. Dunnam, M. S., Ph. D., *Ent., in charge.*

South Carolina—Florence (bollweevil, root aphids and miscellaneous insects of cotton):
F. F. Bondy, B. S., *Asst. Ent., in charge.*
C. F. Rainwater, B. S., *Jr. Ent.*

Texas:

Brownsville (cotton perforator, flea hoppers, miscellaneous cotton insects—Dec. to Apr.):
T. C. Barber, B. S., *Asst. Ent., in charge.*

Bryan (bollworm):
R. W. Moreland, B. S., *Asst. Ent., in charge.*

Port Lavaca (cotton flea hopper):
K. P. Ewing, B. S., *Assoc. Ent., in charge.*
R. L. McGarr, B. S., *Jr. Ent.*

Presidio (pink bollworm):
A. J. Chapman, B. S., *Assoc. Ent., in charge.*
L. W. Noble, B. S., *Jr. Ent.*
S. L. Calhoun, B. S., *Jr. Ent.*
Wm. T. Hunt, M. S., *Jr. Pl. Quar. Insp.*
H. S. Cavitt, B. S., *Agt.*
M. H. Hughs, *Agt.*

DIVISION OF PINK BOLLWORM AND THURBERIA WEEVIL CONTROL

Hdqrs., San Antonio, Tex.

R. E. McDonald, *Prin. Admin. Off., in charge.*
F. S. Puckett, B. S., *Sr. Admin. Off.*
G. G. Harris, B. S., *Asst. Pl. Quar. Insp.*
G. C. Bond, LL. B., *Assoc. Pl. Quar. Insp.*
R. A. Vickery, M. A., *Asst. Ent.*
W. E. VonRosenberg, B. S., *Asst. Pl. Quar. Insp.*

Western Quarantine District (Hdqrs., El Paso, Tex.):

J. S. Brock, B. S., *Pl. Quar. Insp., in charge.*
J. B. Moore, B. S., *Asst. Pl. Quar. Insp.*
R. R. Rosa, B. S., *Asst. Pl. Quar. Insp.*
Ivan Shiller, M. S., *Asst. Pl. Quar. Insp.*
J. C. Woodward, B. S., *Asst. Pl. Quar. Insp.*
J. N. Crisler, B. S., *Jr. Pl. Quar. Insp.*
J. C. Gay, B. S., *Jr. Pl. Quar. Insp.*

Eastern Quarantine District (Hdqrs., Alpine, Tex.):

D. M. McEachern, B. S., *Assoc. Pl. Quar. Insp., in charge.*
B. C. Graham, B. S., *Asst. Pl. Quar. Insp.*
W. B. Rogers, *Asst. Pl. Quar. Insp.*
L. D. Harris, B. S., *Asst. Pl. Quar. Insp.*
F. D. Bittner, B. S., *Jr. Pl. Quar. Insp.*
L. B. Coffin, B. S., *Jr. Pl. Quar. Insp.*
H. J. Henderson, B. S., *Jr. Pl. Quar. Insp.*
F. M. Wilson, *Jr. Pl. Quar. Insp.*

Western Extension (Hdqrs., Lubbock, Tex.):

H. B. Prickett, *Asst. Pl. Quar. Insp., in charge.*
O. L. Walton, B. S., *Asst. Pl. Quar. Insp.*
W. F. Senette, B. S., *Jr. Pl. Quar. Insp.*
C. C. Weigle, B. S., *Jr. Pl. Quar. Insp.*
H. L. Alford, B. S., *Jr. Pl. Quar. Insp.*
W. C. Maxwell, B. S., *Jr. Pl. Quar. Insp.*
G. E. Orr, B. S., *Jr. Pl. Quar. Insp.*

Scouting (Hdqrs., San Antonio, Tex.):

R. W. White, B. S., *Pl. Quar. Insp., in charge.*
F. I. Jeffrey, B. S., *Asst. Pl. Quar. Insp.*
I. B. Rutledge, B. S., *Asst. Pl. Quar. Insp.*
J. H. Adams, Jr., B. S., *Jr. Pl. Quar. Insp.*
E. Cason, B. S., *Jr. Pl. Quar. Insp.*
K. R. Elliott, B. S., *Jr. Pl. Quar. Insp.*
E. Hobbs, M. S., *Jr. Pl. Quar. Insp.*
L. A. West, *Jr. Pl. Quar. Insp.*
J. S. Wilson, B. S., *Jr. Pl. Quar. Insp.*
W. E. Gassett, *Sr. Sci. Aid.*

Thurberia Weevil Quarantine District (Hdqrs., Tucson, Ariz.):

S. D. Smith, *Assoc. Pl. Quar. Insp., in charge.*
W. E. Ayers, *Asst. Pl. Quar. Insp.*
P. L. Netterville, B. S., *Asst. Pl. Quar. Insp.*
J. D. Waugh, B. S., *Asst. Pl. Quar. Insp.*

Florida and Georgia Quarantine District (Hdqrs., Miami, Fla.):

L. F. Curl, B. S., *Assoc. Pl. Quar. Insp., in charge.*
G. W. Chowns, B. S., *Asst. Pl. Quar. Insp.*
G. B. Ray, B. S., *Asst. Pl. Quar. Insp.*
E. L. Wilde, B. S., *Asst. Pl. Quar. Insp.*
W. E. Conn, B. S., *Asst. Pl. Quar. Insp.*
W. F. Rice, *Asst. Pl. Quar. Insp.*
T. R. Adkins, B. S., *Jr. Pl. Quar. Insp.*
J. I. Cowger, B. S. A., *Jr. Pl. Quar. Insp.*
V. Curtis, B. S., *Jr. Pl. Quar. Insp.*
R. L. Eberhard, *Jr. Pl. Quar. Insp.*
A. K. Inman, B. S., *Jr. Pl. Quar. Insp.*

DIVISION OF BEE CULTURE

Jas. I. Hambleton, B. S., *Sr. Apicult., in charge.*

Behavior of Bees:

W. J. Nolan, A. M., *Apicult.*

Bee Diseases:

C. E. Burnside, M. S., Ph. D., *Asst. Apicult.*

Library:

Ethel L. Coon, *Libr. Asst.*

Intermountain Bee Culture:

FIELD LABORATORY:
Wyoming—Laramie:
A. P. Sturtevant, Ph. D., *Assoc. Apicult., in charge.*
C. L. Farrar, Ph. D., *Assoc. Apicult.*

Southern States Bee Culture:

FIELD LABORATORY:
Louisiana—Baton Rouge:
Warren Whitcomb, Jr., M. S., Ph. D., *Asst. Apicult., in charge.*
Everett Oertel, B. S., Ph. D., *Asst. Apicult.*

Pacific Coast Bee Culture:

FIELD LABORATORY:
California—Davis:
Frank E. Todd, B. S., *Assoc. Apicult., in charge.*
Geo. H. Vansell, M. A., *Assoc. Apicult.*

DIVISION OF INSECTS AFFECTING MAN AND ANIMALS

F. C. Bishopp, M. S., Ph. D., *Prin. Ent., in charge.*
E. C. Cushing, M. S., *Sr. Ent.*
J. L. Webb, M. S., *Assoc. Ent.*
C. N. Smith, M. A., *Jr. Ent.*
H. B. Bradford, *Chief. Sci. Illustr.*

Flies in Relation to Osteomyelitis:

Wm. Robinson, M. S., Ph. D., *Sr. Ent.*

Household Insects:

E. A. Back, B. S., Ph. D., *Prin. Ent.*
FIELD LABORATORY:
Maryland—Beltsville:
Wallace Colman, A. B., M. S., *Assoc. Ent.*

Ticks:

F. C. Bishopp, M. S., Ph. D., *Prin. Ent.*

Mosquitoes:

FIELD LABORATORIES:
Florida—Orlando:
W. V. King, Ph. D., *Sr. Ent., in charge.*
G. H. Bradley, M. S., *Assoc. Ent.*
T. E. McNeel, B. S., *Asst. Ent.*
Oregon—Portland:
H. H. Stage, M. S., *Assoc. Ent., in charge.*
C. M. Gjullin, B. S., *Agt.*

Sand Flies:

FIELD LABORATORY:
Georgia—Savannah:
W. E. Dove, D. Sc., *Sr. Ent., in charge.*
J. B. Hull, B. S., *Asst. Ent.*

Eye Gnats:

FIELD LABORATORY:
Texas—Uvalde:
D. C. Parman, B. S. A., *Assoc. Ent., in charge.*
R. W. Burgess, M. S., *Asst. Ent.*

Screw Worm and Blowflies:

FIELD LABORATORY:
Texas:
Dallas:
E. W. Laake, B. S., Ph. D., *Sr. Ent., in charge.*
Roy Melvin, M. S., Ph. D., *Assoc. Ent.*
Menard (branch of Dallas, Tex., lab.):
H. E. Parish, M. S., *Asst. Ent.*
Uvalde:
D. C. Parman, B. S. A., *Assoc. Ent., in charge.*
R. A. Roberts, M. S., *Assoc. Ent.*
C. C. Deonier, M. S., *Jr. Ent.*
A. W. Lindquist, M. S., *Asst. Ent.*
Georgia—Valdosta:
E. F. Knipling, M. S., *Asst. Ent.*
Florida—Gainesville:
W. G. Bruce, M. S., *Assoc. Ent., in charge.*

Cattle Grubs, Horse Bots, and other Flies;

FIELD LABORATORY:
Iowa—Ames:
R. W. Wells, B. A., M. S., *Assoc. Ent., in charge.*
S. W. Simmons, B. Sc., M. A., *Asst. Ent.*
H. O. Schroeder, . M. S., *Jr. Ent.*

Fly Sprays:

FIELD LABORATORY:
Texas—Dallas:
E. W. Laake, B. S., Ph. D., *Sr. Ent., in charge.*
C. W. Eagleson, M. S., Ph. D., *Asst. Ent.*

Insects Affecting Poultry, Birds, and Game:

FIELD LABORATORIES
Texas—Uvalde:
D. C. Parman, B. S. A., *Assoc. Ent.*

Goat Lice and Sheep Head Bot:

FIELD LABORATORY:
Texas—Sonora:
O. G. Babcock, B. S., *Assoc. Ent.*

Buffalo Gnats:

FIELD LABORATORY:
Florida—Orlando (Clarksdale, Miss., seasonally):
G. H. Bradley, M. S., *Assoc. Ent.*

DIVISION OF INSECT IDENTIFICATION

C. F. W. Muesebeck, B. S., *Sr. Ent., in charge.*
Irene L. Bartlett, B. S., *Jr. Ent.*
Catherine Ford, B. S., *Jr. Ent.*
W. F. Tastet, *Prin, Sci. Aid.*
Eleanor A. Carlin,* *Sr. Sci. Illustr.*
Lusettie Blevins, A. M., *Sr. Sci. Aid.*
Sara H. DeBord, A. B., M. S., *Sr. Sci. Aid.*
Marjorie H. Ellis, B. A., *Sr. Sci. Aid.*
Ida Weckerly, A. B., *Sr. Sci. Aid.*
C. S. Menagh, *Sci. Aid.*
Janet A. Breeden,* *Under Sci. Helper.*
Nettie E. Crocker,* *Under Sci. Helper.*
Marjorie Ross Jones, A. B., *Under Sci. Helper.*
Nellie D. McConnell,* *Under Sci. Helper.*
Helen S. Musso,* B. S., *Under Sci. Helper.*
Eunice Myers, *Under Sci. Helper.*
Fern Bell Peavy,* A. B., *Under Sci. Helper.*
Penelope B. Smallwood,* *Under Sci. Helper.*

Coleoptera:

A. G. Böving, M. S., Ph. D., *Sr. Ent.*
H. S. Barber, *Assoc. Ent.*
L. L. Buchanan, B. A., *Assoc. Ent.*
W. S. Fisher, *Assoc. Ent.*

Lepidoptera:

Wm. Schaus, M. A., D. Sc., *Ent.*
Carl Heinrich, *Ent.*
F. H. Benjamin, B. S., M. A., *Assoc. Ent.*
August Busck, *Assoc. Ent.*

Diptera:

C. T. Greene, B. S., *Assoc. Ent.*
Alan Stone, Ph. D., *Assoc. Ent.*
D. G. Hall, B. S., *Assoc. Ent.*

Hymenoptera:

A. B. Gahan, M. S., *Sr. Ent.*
C. F. W. Muesebeck, B. S., *Sr. Ent.*
R. A. Cushman, *Ent.*
Grace A. Sandhouse, A. M., *Asst. Ent.*

Orthoptera and Neuroptera:

A. N. Caudell, M. S., *Ent.*

Ectoparasites and Mites:

H. E. Ewing, M. A., Ph. D., *Ent.*

Hemiptera:

H. G. Barber, M. A., *Assoc. Ent.*
P. W. Oman, A. B., *Asst. Ent.*

Aphiidae:

P. W. Mason, M. S., Ph. D., *Assoc. Ent.*

Coccidae:

Harold Morrison, A. M., Sc. D., *Sr. Ent.*
Grace E. Glance, B. S., *Jr. Ent.*
Louise M. Russell, M. S., *Jr. Ent.*

Insect Morphology:

R. E. Snodgrass, A. B., *Sr. Ent.*

DIVISION OF FOREIGN PARASITE INTRODUCTION

C. P. Clausen, M. S., *Sr. Ent., in charge.*
FIELD LABORATORIES:
France—Hyeres, Var:
H. L. Parker, D. Sc., *Ent., in charge.*
H. D. Smith, B. S., *Asst. Ent.*
W. F. Sellers, B. S., *Asst. Ent.*
Japan—Yokohama:
R. W. Burrell, B. S., *Asst. Ent.*
China—Foochow:
C. R. Kellogg, A. B., M. A., *Collab.*

DIVISION OF CONTROL INVESTIGATIONS

Lon A. Hawkins, Ph. D., *Prin. Physiol., in charge.*
F. L. Campbell, M. S., D. Sc., *Ent.*
A. G. Galloway, *Technol.*

FIELD LABORATORY:
Maryland—Beltsville:
F. L. Campbell, M. S., D. Sc., *Ent.*
N. E. McIndoo, A. M., Ph. D., *Sr. Ent.*
D. E. Fink, M. S., Ph. D., *Ent.*
J. W. Bulger, M. A., Ph. D., *Assoc. Ent.*
M. C. Swingle, M. S., *Asst. Ent.*
W. N. Sullivan, B. S., *Jr. Ent.*
Abby H. Casanges, * *Asst. Sc. Aid.*
A. C. Johnson, *Asst. Pl. Quar. Insp.*

DIVISION OF INSECTICIDE INVESTIGATIONS

R. C. Roark, M. A., Ph. D., *Prin. Chem. in charge.*
C. M. Smith, B. S., *Sr. Chem.*

Insecticides Derived From Plants:

F. B. LaForge, B. S., M. A., Ph. D., *Sr. Chem.*
E. P. Clark, M. S., Ph. D., *Sr. Chem.*
H. L. J. Haller, Ch. E., Ph. D., *Sr. Chem.*
C. R. Smith, B. S., *Chem.*
L. N. Markwood, B. S., *Assoc. Chem.*
F. Acree, Jr., B. A., *Asst. Sci. Aid.*
P. S. Schaffer, B. S., *Asst. Sci. Aid.*
FIELD LABORATORY:
Maryland—Beltsville:
H. A. Jones, M. S., *Asst. Chem.*

Synthetic Organic Insecticides:

L. E. Smith, M. S., *Assoc. Chem.*
H. V. Claborn, B. S., *Asst. Sci. Aid.*
FIELD LABORATORY:
Maryland—College Park:
R. L. Busbey, M. S., *Jr. Chem.*

Spray Residue Investigation:

C. R. Gross, M. S., *Assoc. Chem.*
C. C. Cassil, *Asst. Sci. Aid.*
FIELD LABORATORY:
Indiana—Vincennes:
J. E. Fahey, B. S., *Jr. Chem.*
H. W. Rusk, *Minor Sci. Helper.*
Washington—Yakima:
C. W. Murray, B. S., *Asst. Chem.*
J. F. Cassidy, B. S., *Jr. Chem.*

Inorganic Insecticides:

O. A. Nelson, M. S., *Chem.*
F. E. Dearborn, B. S., Ch. E., *Assoc. Chem.*

Fumigants:

R. H. Carter, B. A., M. S., *Assoc. Chem.*
FIELD LABORATORY:
Kansas—Manhattan:
H. D. Young, B. S., *Assoc. Chem.*

Oil Emulsions:

FIELD LABORATORY:
Ohio—Wooster:
L. H. Dawsey, B. S., Ph. D., *Asst. Chem.*
J. Hiley, *Asst. Sci. Aid.*

Analytical Work:

S. I. Gertler, B. S., M. A., *Asst. Chem.*
R. G. Capen, A. B., *Jr. Chem.*
E. L. Gooden, A. B., *Asst. Sci. Aid.*

Toxicological Investigations:

W. A. Gersdorff, M. S., *Asst. Chem.*

Accessories for Insecticides:

H. L. Cupples, B. Ch. E., M. S., Ph. D., *Chem.*

DIVISION OF FOREIGN PLANT QUARANTINES

E. R. Sasscer, M. S., *Prin. Ent., in charge.*
Geo. G. Becker, B. S., *Sr. Ent.*

Technical Information:

N. Rex Hunt, M. S., *Sr. Path., in charge.*
H. L. Sanford, B. S., *Assoc. Ent.*
David Lumsden, *Assoc. Hort.*

Permits:

Geo. G. Becker, B. S., *Sr. Ent., in charge.*
Plants:
H. S. Dean, B. S., *Assoc. Pl. Quar. Insp.*
Annette E. Harrell, * A. B., *Asst. Hort.*
Plant Products:
Catherine I. Brown, *Jr. Adm. Asst.*

Certification for Export:[1]

New York—New York:
Richard Faxon, B. S., *Pl. Quar. Insp., in charge field work Eastern States.*
Washington—Seattle:
L. M. Scott, B. S., *Pl. Quar. Insp., in charge field work Western States.*

Port Inspection:

F. A. Johnston, B. S., *Pl. Quar. Insp., in charge.*
H. B. Shaw, *Assoc. Pl. Quar. Insp.*
FIELD HEADQUARTERS:
Alabama—Mobile:
J. R. Wood, B. S., *Jr. Pl. Quar. Insp., in charge.*
S. S. Sheffield, B. S., *Jr. Pl. Quar. Insp.*
Arizona:
Douglas:
R. O. Collier, B. S., *Asst. Pl. Quar. Insp. in charge.*
T. A. Barnett, B. S., *Jr. Pl. Quar. Insp.*
U. R. Kuhn, B. S., *Jr. Pl. Quar. Insp.*
Naco:
W. R. Sudduth, B. S., *Asst. Pl. Quar. Insp. in charge.*
J. E. Downs, B. S., *Jr. Pl. Quar. Insp.*
Nogales:
C. E. Bellis, B. S., *Assoc. Pl. Quar. Insp., in charge.*
R. B. Lattimore, B. S., *Asst. Pl. Quar. Insp.*
H. W. Capps, B. S., *Jr. Pl. Quar. Insp.*
W. J. Douglass, B. S., *Jr. Pl. Quar. Insp.*
H. G. Frane, B. S., *Jr. Pl. Quar. Insp.*
E. C. Harrison, Jr., B. S., *Jr. Pl. Quar. Insp.*
W. F. Maner, B. S., *Jr. Pl. Quar. Insp.*
H. T. Pinto, B. S., *Jr. Pl. Quar. Insp.*
W. B. R. Stromberg, B. S., *Jr. Pl. Quar. Insp.*
R. C. Watson, B. S., *Jr. Pl. Quar. Insp.*
R. F. Wilbur, B. S., *Jr. Pl. Quar. Insp.*
California:
C. E. Cooley, *Pl. Quar. Insp., in charge of the enforcement of foreign plant quarantines in California* (Hdqrs. San Francisco).
W. H. Wheeler, B. A., *Jr. Pl. Quar. Insp.*
Calexico:
O. A. Pratt, B. A., *Assoc. Pl. Quar. Insp., in charge.*
C. L. Ritchie, B. S., *Jr. Pl. Quar., Insp.*
J. N. Smith, B. S., *Jr. Pl. Quar. Insp.*
San Ysidro:
Leroy Schoening, B. S., *Asst. Pl. Quar. Insp., in charge.*
J. F. Altstaetter, B S., *Jr. Pl. Quar. Insp.*
Georgia—Savannah:
V. C. Durham, *Assoc. Pl. Quar. Insp.*
Illinois—Chicago:
H. W. Hecker, B. S., *Asst. Pl. Quar. Insp.*
Louisiana—New Orleans:
W. T. Dillard, B. S., *Pl. Quar. Insp., in charge.*
U. G. Haddon, *Asst. Pl. Quar. Insp.*
M. J. Kerr, *Asst. Pl. Quar. Insp.*
J. H. Moreland, *Asst. Pl. Quar. Insp.*
G. C. Martin, Jr., B. S., *Jr. Pl. Quar. Insp.*
K. E. Miller, B. S., *Jr. Pl. Quar. Insp.*
M. S. Mirimanian, *Jr. Pl. Quar. Insp.*
J. C. Pritchett, B. S., *Jr. Pl. Quar. Insp.*
L. A. Roberts, B. S., *Jr. Pl. Quar. Insp.*
Maryland—Baltimore:
W. A. Ranck, B. S., *Jr. Pl. Quar. Insp., in charge.*
C. G. Latham, B. S., *Jr. Pl. Quar. Insp.*
Massachusetts—Boston:
W. G. Bemis, B. S., *Pl. Quar. Insp., in charge.*
C. A. Davis, *Asst. Pl. Quar. Insp.*
J. T. Beauchamp, B. S., *Jr. Pl. Quar. Insp.*
O. A. Hardy, A. B., *Jr. Pl. Quar. Insp.*
Michigan—Detroit:
W. W. Wood, B. S., *Asst. Pl. Quar. Insp., in charge.*
D. E. Gower, B. S., *Jr. Pl. Quar. Insp.*
Minnesota:
St. Paul:
J. W. Patterson, B. S., *Asst. Pl. Quar. Insp.*

Port Inspection—Continued.

FIELD HEADQUARTERS—Continued.
New York:
Buffalo:
F. G. Inman, B. S., *Asst. Pl. Quar. Insp.*
New York:
Max Kisliuk, Jr., M. S., *Sr. Pl. Quar. Insp., in charge.*
H. G. Frank, B. S., *Assoc. Pl. Quar. Insp.*
W. S. Fields, B. S., *Assoc. Path.*
L. C. Griffith, B. S., *Assoc. Pl. Quar. Insp.*
R. D. Kennedy, B. S., *Assoc. Pl. Quar. Insp.*
E. Kostal, B. S., *Assoc. Pl. Quar. Insp.*
Ralph Shemin, B. S., *Assoc. Pl. Quar. Insp.*
J. C. Crawford, M. Sc., *Asst. Pl. Quar. Insp.*
C. P. Daley, B. S., *Asst. Pl. Quar. Insp.*
H. Fox, B. S., *Asst. Pl. Quar. Insp.*
R. A. Fox, B. S., *Asst. Pl. Quar. Insp.*
A. G. Harley, B. S., *Asst. Pl. Quar. Insp.*
A. G. Lennox, M. S., *Asst. Pl. Quar. Insp.*
S. A. Mann, B. S., *Asst. Pl. Quar. Insp.*
J. W. O'Brien, *Asst. Pl. Quar. Insp.*
J. H. Painter, M. S., *Asst. Pl. Quar. Insp.*
K. F. Petsch, B. S., *Asst. Pl. Quar. Insp.*
G. F. Smith, B. S., *Asst. Pl. Quar. Insp.*
S. D. Whitlock, M. S., *Asst. Pl. Quar. Insp.*
R. W. Woodbury, B. S., *Asst. Pl. Quar. Insp.*
C. G. Anderson, M. S., *Jr. Pl. Quar. Insp.*
F. O. Dodd, B. S., *Jr. Pl. Quar. Insp.*
O. G. Fitzgerald, M. S., *Jr. Pl. Quar. Insp.*
W. R. Fyke, B. S., *Jr. Pl. Quar. Insp.*
J. R. Garrett, B. S., *Jr. Pl. Quar. Insp.*
W. C. Goolsby, B. S., *Jr. Pl. Quar. Insp.*
M. C. Guerry, B. S., *Jr. Pl. Quar. Insp.*
K. W. Holloway, B. S., *Jr. Pl. Quar. Insp.*
J. G. Lewis, B. S., *Jr. Pl. Quar. Insp.*
C. M. Locke, B. S., *Jr. Pl. Quar. Insp.*
M. A. McMaster, B. S., *Jr. Pl. Quar. Insp.*
G. J. Nicolaides, B. S., *Jr. Pl. Quar. Insp.*
Pablo Ortiz, B. S., *Jr. Pl. Quar. Insp.*
P. X. Peltier, M. S., *Jr. Pl. Quar. Insp.*
A. O. Plummer, B. S., *Jr. Pl. Quar. Insp.*
C. E. Post, B. S., *Jr. Pl. Quar. Insp.*
M. H. Sartor, B. S., *Jr. Pl. Quar. Insp.*
Oregon—Portland:
T. J. Baker, A. B., *Asst. Pl. Quar. Insp.*
Pennsylvania—Philadelphia:
W. H. Freeman, *Pl. Quar. Insp. in charge.*
W. W. Chapman, B. S., *Asst. Pl. Quar. Insp.*
W. J. Ehinger, B. S., *Jr. Pl. Quar. Insp.*
J. A. Ramos, B. S., *Jr. Pl. Quar. Insp.*
A. B. Wells, B. A., B. S., *Jr. Pl. Quar. Insp.*
South Carolina—Charleston:
R. W. Nicaise, B. S., *Asst. Pl. Quar. Insp.*
Texas:
Brownsville:
O. D. Deputy, B. S., *Pl. Quar. Insp., in charge.*
F. E. Swan, B. S., *Asst. Pl. Quar. Insp.*
G. F. Callaghan, B. S., *Jr. Pl. Quar. Insp.*
R. B. Haller, *Jr. Pl. Quar. Insp.*
S. R. Morris, B. S., *Jr. Pl. Quar. Insp.*
V. L. Pearson, B. S., *Jr. Pl. Quar. Insp.*
A. K. Pettit, *Jr. Pl. Quar. Insp.*
E. P. Reagan, B. S., *Jr. Pl. Quar. Insp.*
C. W. Shockley, B. S., *Jr. Pl. Quar. Insp.*
J. P. Williamson, B. S., *Jr. Pl. Quar. Insp.*
Del Rio:
H. M. Cely, B. S., *Asst. Pl. Quar. Insp., in charge.*
W. C. Edgeworth, B. S., *Jr. Pl. Quar Insp.*
Eagle Pass:
G. H. Russell, *Asst. Pl Quar. Insp., in charge.*
M. M. Richardson, *Asst. Pl. Quar. Insp.*
T. P. Chapman, B. S., *Jr. Pl. Quar. Insp.*
O. L. Cook, B. S., *Jr. Pl. Quar. Insp.*
H. M. Cottier, B. S., *Jr. Pl. Quar. Insp.*
J. B. Zuck, B. S., *Jr. Pl. Quar. Insp.*

[1] This work is also supplemented by inspection at ports of export.

Port Inspection—Continued.
FIELD HEADQUARTERS—Continued.
Texas—Continued.
El Paso:
T. A. Arnold, B. S., *Assoc. Pl. Quar. Insp., in charge.*
B. R. Anderson, B. S., *Asst. Pl. Quar. Insp.*
A. H. Greer, B. S., *Asst. Pl. Quar. Insp.*
C. P. Trotter, *Asst. Pl. Quar. Insp.*
R. A. Alexander, B. S., *Jr. Pl. Quar. Insp.*
B. M. Ault, B. S., *Jr. Pl. Quar. Insp.*
H. R. Conway, B. S., *Jr. Pl. Quar. Insp.*
C. F. Haller, B. S., *Jr. Pl. Quar. Insp.*
V. O. Miller, B. S., *Jr. Pl. Quar. Insp.*
J. R. Nicols, B. S., *Jr. Pl. Quar. Insp.*
Edward Smith, B. S., *Jr. Pl. Quar. Insp.*
C. H. Wallis, B. S., *Jr. Pl. Quar. Insp.*
Galveston:
R. L. Trigg, B. S., *Asst. Pl. Quar. Insp.*
Hidalgo:
J. M. Singleton, B. S., *Asst. Pl. Quar. Insp., in charge.*
I. W. Berryhill, B. S., *Jr. Pl. Quar. Insp.*
A. L. Williamson, B. S., *Jr. Pl. Quar. Insp.*
Houston:
H. C. Millender, *Assoc. Pl. Quar. Insp., in charge.*
O. D. Morris, B. S., *Jr. Pl. Quar. Insp.*
Laredo:
J. B. R. Leary, B. S., *Assoc. Pl. Quar. Insp., in charge.*
B. C. House, B. S., *Asst. Pl. Quar. Insp.*
R. C. Bondy, B. S., *Jr. Pl. Quar. Insp.*
G. A. Pfaffman, B. S., *Jr. Pl. Quar. Insp.*
B. P. Stewart, B. S., *Jr. Pl. Quar. Insp.*
E. L. Talbert, B. S., *Jr. Pl. Quar. Insp.*
M. G. Vinzant, B. S., *Jr. Pl. Quar. Insp.*
H. R. Cary, *Pr. Fumigation Mech.*
Mercedes (Thayer International Bridge):
L. R. Dorland, B. S., *Asst. Pl. Quar. Insp., in charge.*
C. L. Parnell, B. S., *Jr. Pl. Quar. Insp.*
Port Arthur:
W. H. Baskin, *Asst. Pl. Quar. Insp.*
Presidio:
V. J. Shiner, B. S., *Asst. Pl. Quar. Insp., in charge.*
J. H. Russell, B. S., *Jr. Pl. Quar. Insp.*
Rio Grande City:
A. A. Stalmach, A. B., *Asst. Pl. Quar. Insp.*
Roma:
G. M. Jones, B. S., *Asst. Pl. Quar. Insp.*
Ysleta:
W. R. Shinn, B. S., *Jr. Pl. Quar. Insp.*
Virginia—Norfolk:
Geraldus Gay, B. S., *Asst. Pl. Quar. Insp., in charge.*
L. A. Mayer, B. S., *Jr. Pl. Quar. Insp.*
Washington:
Bellingham:
J. W. Stanton, B. S., *Jr. Pl. Quar. Insp.*
Blaine:
W. A. Harvison, B. S., *Jr. Pl. Quar. Insp.*
Seattle:
A. G. Webb, B. S., *Pl. Quar. Insp., in charge.*
M. J. Forsell, B. S., *Asst. Pl. Quar. Insp.*
C. V. Scott, B. S., *Asst. Pl. Quar. Insp.*
E. I. Smith, B. S., *Asst. Pl. Quar. Insp.*
J. P. Young, B. S., *Jr. Pl. Quar. Insp.*

Hawaii Inspection:
Honolulu:
H. F. Willard, B. S., *Sr. Ent., in charge.*
J. T. Watt, B. S., *Asst. Pl. Quar. Insp.*

Puerto Rico Inspection:
W. A. McCubbin, M. A., *Sr. Path., in charge.*
Mayaguez:
R. G. Oakley, B. S., *Jr. Pl. Quar. Insp.*
San Juan:
W. A. McCubbin, M. A., *Sr. Path., in charge.*
W. T. Owrey, B. S., *Asst. Pl. Quar. Insp.*
A. S. Mills, B. S., *Jr. Pl. Quar. Insp.*
H. G. Taylor, *Jr. Pl Quar. Insp.*

Quarantine Station, District of Columbia:
Peter Bisset, *Sr. Hort., in charge.*
W. B. Wood, B. S., *Chief Insp.*
J. M. R. Adams, A. B., *Asst. Pl. Quar. Insp.*
R. G. Cogswell, A. B., *Asst. Pl. Quar. Insp.*
H. Y. Gouldman, B. S., *Asst. Pl. Quar. Insp.*
D. P. Limber, M. S., *Asst. Pl. Quar. Insp.*
C. E. Prince, Jr., B. S., *Asst. Pl. Quar. Insp.*
L. L. Spessard, A. B., M. S., *Asst. Pl. Quar. Insp.*

DIVISION OF DOMESTIC PLANT QUARANTINES

(For which no separate units have been organized)

B. M. Gaddis, *Prin. Pl. Quar. Admin., in charge.*
R. A. Sheals, B. S., *Assoc. Pl. Quar. Insp., first assistant.*

White Pine Blister Rust:
Maude A. Thompson, *Asst. in Domestic Pl. Quar.*

Transit Inspection:
FIELD HEADQUARTERS:
Illinois—Chicago:
J. M. Corliss, *Agt., in charge, Central States.*
N. H. Dunlap, B. S., *Jr. Pl. Quar. Insp.*
J. M. Moran, *Agt.*
Nebraska—Omaha:
N. H. Dunlap, B. S., *Jr. Pl. Quar. Insp., in charge.*
New York—New York:
H. J. Conkle, B. S., *Jr. Pl. Quar. Insp., in charge.*
C. B. Beamer, B. S., *Agt.*
Ohio—Cincinnati:
E. J. McNerny, *Agt. in charge.*
Pennsylvania—Philadelphia:
J. T. Scott, *Agt.*

Phony Peach Disease:
FIELD HEADQUARTERS:
Georgia—Fort Valley:
W. F. Turner, B. S., *Agt. in charge.*
Blish Breland, B. S., *Agt.*
James A. Beckham, *Agt.*
Paul W. Chapman, *Agt.*
L. M. Culpepper, *Agt.*
G. W. R. Davidson, *Agt.*
S. J. Ethridge, *Agt.*
Chester A. Lowe, *Agt.*
William D. Murray, *Agt.*
Charles W. Pittard, *Agt.*
Oliver V. Purvis, *Agt.*
Jonathan N. Rumph, *Agt.*
Joseph T. Stewart, *Agt.*
Claude V. Walton, *Agt.*
John B. Williams, B. S., *Agt.*

Citrus Canker:
FIELD HEADQUARTERS:
Texas:
Houston:
R. N. Dopson, B. S. A. *Agt.*
J. A. Alderdice, *Agt.*
Austin:
J. M. Del Curto, B. S., *State Ent. (Collab.).*
E. H. Young, *Agt.*
E. A. Schattenberg, *Agt.*
Louisiana—Baton Rouge:
W. E. Anderson, B. S., *State Ent. (Collab.).*
Henry W. Bond, *Agt.*
Harris I. Anderson, *Agt.*
Frank B. Giordano, *Agt.*
Charles W. Streat, *Agt.*
R. J. Smith, B. S., *Agt.*

White Pine Blister Rust (prevention of spread)
FIELD HEADQUARTERS:
Washington—Spokane:
M. E. Connolly, *Agt. in charge.*

FOOD AND DRUG ADMINISTRATION

W. G. Campbell, A. B., LL. B., *Chief*
P. B. Dunbar, M. S., Ph. D., *Asst. Chief*
F. B. Linton, *Asst. to Chief*
Ruth deF. Lamb, A. B., *Chief Educ. Off.*
L. M. Clarke, *Chief Clerk*
Vivian Robb, B. A., *Ed.*

INTERSTATE DIVISION

C. W. Crawford, M. S., *Prin. Chem., in charge.*
L. D. Elliott, Ph. D., *Sr. Chem.*
G. P. Larrick, *Sr. Insp.*
Martin Boyle, B. S., LL. B., *Chem.*
J. G. Shibley, LL. B., *Sr. Admin. Off.*

IMPORT DIVISION

A. E. Taylor, A. M., Ph. D., *Prin. Chem., in charge.*
Arthur Stengel, Ph. G., *Sr. Admin. Off.*

DIVISION OF STATE COOPERATION

W. S. Frisbie, Ph. B., *Prin. Chem., in charge.*

FOOD DIVISION

W. B. White, Ph. D., *Prin. Chem., in charge.*

Bacteriological Section:

A. C. Hunter, M. S., Ph. D., *Sr. Bact.*
B. A Linden, *Asst. Bact.*
Roy Schneiter, M. S., *Asst. Bact.*
G. G. Slocum, B. A., M. S., *Asst. Bact.*
Wm. A. Boyles, M. S., *Jr. Bact.*
Morris Ostrolenk, B. S., *Jr. Bact.*
W. R. North, B. S., *Jr. Bact.*

Beverage Section:

J. W. Sale, A. M , *Sr. Chem.*
R. A. Osborn, M. S., Ph. D., *Assoc. Chem.*
J. B. Wilson, A. B., *Assoc. Chem.*
C. H. Badger, B. S., *Asst. Chem.*
W. O. Winkler, B. S., *Asst. Chem.*
A. L. Curl, M. S., Ph. D., *Jr. Chem.*
Anna E. Mix, Phar. D., *Jr. Chem.*

Canned Foods Section:

V. B. Bonney, B. S., *Chem.*
S. C. Rowe, Ch. E., *Assoc. Chem.*
J. T. Keister, M. S., Phar. D., *Asst. Chem.*
J. I. Palmore, M. S., *Asst. Chem.*

Cereal Section:

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New Jersey—Haddon Heights:
L. J. Bottimer, B. S., *Asst. Ent.*

Fungicide Testing Section:
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Oregon—Corvallis:
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Georgia—Savannah:
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Mississippi—Gulfport:
R. L. Helveston, *Asst. Naval Stores Classifier.*
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S. T. Grey, B. A., *Jr. Sea Food Insp.*
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F. B. McAuliffe, *Jr. Insp.*
A. E. Rayfield, B. S., *Jr. Sea Food Insp.*
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W. Stokes, M. S., *Jr. Insp.*
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J. Woods, Ph. C., *Jr. Sea Food Insp.*
Maryland—Baltimore:
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S. W. Ahlmann, *Assoc. Insp.* (Naval Stores).
S. Alfend, B. S., *Assoc. Chem.*
J. L. Ahern, *Asst. Insp.*
W. H. Carpenter, B. S., *Asst. Insp.* (stationed at Memphis, Tenn.)
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F. P. Hamill, A. B.: *Asst. Insp.*
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STATIONS—Continued.

California—Continued.

San Francisco—Continued.

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G. A. Pitman, M. S., *Jr. Chem.*
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Maryvee Yakowitz,* B. S., *Jr. Chem.*

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L. Feldstein, B. S., *Assoc. Chem.*
T. C. Dunn, B. S., *Asst. Chem.*
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G. R. Wood, B. S., *Asst. Insp.*
K. E. Monfore, A. B., *Jr. Insp.*
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Western District (Hdqrs., San Francisco Calif.)—Continued.

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L. G. Fenton, *Tea Exam.*
E. A. Gray, B. S., *Asst. Insp.* (stationed at Spokane, Wash.).
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J. J. Shearer, *Asst. Insp.*
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Herbert A. Smith, Ph. D., *Sr. For., Asst.*

Division of State Cooperation:

A. B. Hastings, A. B., M. F., *Sr. For., in charge.*
Catherine M. O'Donnell, LL. B., *Prin. Clerk (Law Compiler).*
H. N. Wheeler, M. A., Sc. D., *Asst. Chief Business Spec. (Lecturer).*

Farm Forestry:

W. R. Mattoon, A. B., M. F., *Sr. For.*

Division of Information:

George A. Duthie, A. B., M. S. F., *Sr. For.*
C. E. Randall, M. A., *Sr. Ed., in charge of Educational Coop.*
Roy E. Miller, B. J., *Editor, in charge Press Inf.*
D. Priscilla Edgerton, *Prin. Clerk.*

Division of Information—Continued.

Beryl G. Gardner, *Prin. Clerk.*
Marie F. Heisley, *Clerk.*
Bernice M. Geddes, *Clerk.*
H. R. Kylie, *Sr. Admin. Asst., in charge of Visual Education.*

EMERGENCY CONSERVATION WORK

C. M. Granger, B. S., *Head For. Econ., acting in charge.*
Fred Morrell, B. S., M. F., *Prin. For.*
L. C. Stockdale, *Prin. For.*
A. C. Ringland, M. F., *Prin. For.*
John D. Guthrie, Ph. B., M. F., M. S., *Asst. Reg. For.*
H. R. Kylie, *Sr. Admin. Asst.*
John A. Skeen, M. C. S., *Allotment Off.*
Louis Brading, *Fiscal Agt.*
F. J. Murray, *Admin. Off.*

PLAINS SHELTERBELT PROJECT

Paul H. Roberts, B. S., *Prin. For., Acting Dir.*
Alva A. Simpson, *Assoc. Dir.*
Fred Stell, B. S. F., *Assoc. For.*
Charles R. Towne, B. S. F., *Assoc. For.*
Floyd M. Cossitt, B. S., *Assoc. For.*
John S. Bowen, *Assoc. For.*
Emera W. Renshaw, *Assoc. For.*
Robert E. Clark, Ph. B., M. F., *Chief of Operation.*
John D. Jones, A. B., J. D., *Chief of Public Relations.*
Wm. B. Ihlanfeldt, *Fiscal Agt.*
Ray Ward, *Dep. Fiscal Agt.*
Wm. F. Murray, *Dep. Fiscal Agt.*
David S. Olson, *Chief of Planting and Nurseries.*
Harlan C. Maaske, *Sr. Admin. Asst.*
John H. Hatton, B. S., S. B., *Insp.*
Kenneth Wolfe, B. S., *For.*
Frank E. Hausherr, B. S., *Dep. Fiscal Agt.*
Howard C. Baker, *Exec. Asst.*
Robert L. Bennett, *Exec. Asst.*
Albert N. Butler, *Exec. Asst.*
Roger D. Morris, *Unit Dir.*
Richard P. Hilleary, *Assoc. Engr.*
Lawrence J. Stabb, *Chief of Maintenance.*

REGION 1—NORTHERN REGION

Montana, northeastern Washington, northern Idaho, and northwestern South Dakota (hdqrs., Missoula, Mont.):
Evan W. Kelley, *Reg. For.*

Operation:

Clarence C. Strong, B. S., *Asst. Reg. For.*
W. P. Hillman, *Jr. Admin. Asst.*
C. S. Crocker, *For. (Insp.).*
E. C. Tennant, B. S. F., *Sr. For. Ranger.*
W. M. Nagel, B. S. F., *For.*
C. P. Fickes, *For.*
Wm. B. Apgar, B. S., M. F., *Jr. Admn. Asst.*
Wilfred W. White, M. S. F., *For.*
P. J. O'Brien, LL. B., *Assoc. Reg. For. Insp.*
C. K. McHarg, Ph. B., M. F., *State Coop. Fire Protection under Clarke-McNary Act.*
O. C. Bradeen, *Jr. Admin. Off. (Supply Off.).*
R. E. Tennant, B. S. F., *Sr. Clerk (Aud.).*
Charles F. Brothers, *Reg. Law Off.*

Timber Management:

Elers Koch, B. S., M. F., *Asst. Reg. For.*
Clarence Spaulding, B. S., *Jr. Admin. Asst.*
Phillip Neff, *Log. Engin.*
J. W. Fox, *Assoc. For.*
J. C. Evenden, *Bur. Ent. and Pl. Quar.*

Wildlife and Range Management:

Glen A. Smith, *Asst. Reg. For.*
Thomas Lommasson, B. S. F., *Sr. Range Exam.*
H. R. Flint, *Sr. Reg. For. Insp.*

Recreation and Lands:

M. H. Wolff, Ph. B., M. F., *Asst. Reg. For.*
F. R. Ingalsbe, M. E., *Mineral Exam.*
K. D. Swan, M. F., *Sr. Exhibit and Pubs. Asst.*
F. K. Stewart, *Assoc. For.*

Engineering:
F. E. Thieme, B. S., (C. E.), *Reg. Engin.*
J. B. Yule, *Topographic Engin.*
Frank J. Cool, *Assoc. Civil Engin.*
H. A. Calkins, *Jr. Admin. Off.*
George W. Duncan, *Equipment Engin.*
W. P. Stephenson, *Assoc. Civil Engin.*

Fiscal Control:
O. M. Wold, *Reg. Fiscal Agt.*
L. Beaman, *Dep. Reg. Fiscal Agt.*
John B. Taylor, A. B., M. F., *For.*

National Forests:
Idaho:
Clearwater (hdqrs., Orofino, Idaho):
Eldon H. Myrick, *For. Supvr.*
L. F. Jefferson, *Asst. For. Supvr.*
J. N. Diehl, B. S., F., *Asst. For., Supvr.*
E. J. Jost, B. S. F., *Jr. For.*
Virgil Eastman, B. S., *Dist. For. Ranger.*
Coeur d'Alene (hdqrs., Coeur d'Alene, Idaho):
Charles D. Simpson, B. S., *For. Supvr.*
Howard Drake, *Assoc. Log. Engin.*
H. H. Gurley, B. S. F., *Assoc. For.*
W. G. Guernsey, B. S., *Assoc. For.*
Kaniksu (hdqrs., Sandpoint, Idaho):
J. E. Ryan, *For. Supvr.*
A. N. Cochrell, *Asst. For. Supvr.*
K. A. Klehm, *Assoc. Log. Engr.*
Roswell Leavitt, B. S. F., *Jr. For.*
R. L. Space, B. S., M. E., *Sr. For. Ranger.*
A. E. Spaulding, B. S. F., *Dist. For. Ranger.*
Nezperce (hdqrs., Grangeville, Idaho):
R. A. Phillips, *For. Supvr.*
R. A. Coster, *Asst. For. Supvr.*
St. Joe (hdqrs., St. Maries, Idaho):
Ray R. Fitting, *For. Supvr.*
R. E. Fields, B. S. F., *Asst. For. Supvr.*
N. B. Fullerton, B. S. F., *Assoc. For.*
Montana:
Absaroka (hdqrs., Livingston):
G. A. Martin, *For. Supvr.*
C. B. Rubottom, B. S., *For. Ranger.*
Beaverhead (hdqrs., Dillon, Mont.):
Earl D. Sandvig, B. S., *For. Supvr.*
K. D. Flock, B. S., *Asst. For. Supvr.*
R. J. Bowers, B. S. F., *Dist. For. Ranger.*
S. M. Lukens, B. S. F., *Dist. For. Ranger.*
Lewellyn Peck, B. S., *Dist. For. Ranger.*
Bitterroot (hdqrs., Hamilton):
Guy M. Brandborg, *For. Supvr.*
F. J. Neitzling, *Asst. For. Supvr.*
S. H. Larson, B. S., *Dist. For. Ranger.*
Cabinet (hdqrs., Thompson Falls):
A. H. Abbott, *For. Supvr.*
J. H. Bosworth, *Asst. For. Supvr.*
Frank Foltz, B. S. F., *Asst. For.*
Custer (hdqrs., Billings):
Walter J. Derrick, *For. Supvr.*
Deerlodge (hdqrs., Butte):
R. Trevor Ferguson, B. S., *For. Supvr.*
C. A. Joy, B. S., *Asst. For. Supvr.*
J. T. Marsh, B. S. F., *Dist. For. Ranger.*
Chandler V. Jensen, B. S., *Dist. For. Ranger.*
Flathead (hdqrs., Kalispell):
J. C. Urquhart, *For. Supvr.*
C. D. Blake, *Asst. For. Supvr.*
Gallatin (hdqrs., Bozeman):
J. C. Whitham, B. S. F., *For. Supvr.*
Arthur Cramer, B. S. F., *Asst. For. Supvr.*
W. E. Fry, B. S. F., *Dist. For. Ranger.*
D. D. Weaver, B. S., *Dist. For. Ranger.*
Helena (hdqrs., Helena):
J. N. Templer, *For. Supvr.*
H. H. Hendron, B. S. F., *Asst. For. Supvr.*
Kootenai (hdqrs., Libby):
Clyde S. Webb, *For. Supvr.*
Justin K. Dwinelle, *Asst. For. Supvr.*
G. E. Stoltz, *Asst. For. Supvr.*
R. W. Billings, B. S. F., *Assoc. For.*
H. R. Richards, B. S., *Exec. Asst.*
Lewis and Clark (hdqrs., Great Falls):
Wilford B. Willey, M. F., *For. Supvr.*
Adolph Weholt, *Asst. For. Supvr.*
A. A. Roemer, B. S., *Asst. Range Exam.*
F. H. Kennedy, B. S., *Dist. For. Ranger.*
Lolo (hdqrs., Missoula):
Theo. Shoemaker, *For. Supvr.*
W. W. Coleman, *Asst. For. Supvr.*
C. W. Bloom, M. F., *Dist. For. Ranger.*

REGION 2—ROCKY MOUNTAIN REGION

Colorado, eastern Wyoming, South Dakota, and Nebraska (hdqrs., Denver, Colo.):
Allen S. Peck, Ph. B., M. F., *Reg. For.*
Carl J. Stahl, *Assoc. Reg. For.*

Operation:
Myron W. Thompson, M. F., *Asst. Reg. For.*
Huber C. Hilton, M. F., *Insp.*
George I. Haney, *Admin. Off.* (*Supply Off.*).
Charles B. Mack, *Sr. For.*
Lee P. Brown, B. S. F., *Assoc. For.*
H. Earl French, M. F., *For. Supvr.*
Walter J. Ise, LL. M., *Reg. Law Off.*

Timber Management:
H. Dean Cochran, A. B., B. S. F., *Asst. Reg. For.*
Jay Higgins, B. S. F., *Sr. For.*
William L. Robb, B. S. F., *For.*

Wildlife and Range Management:
Lynn H. Douglas, B. S. A., *Asst. Reg. For.*
Phillip V. Woodhead, *Insp.*
A. Allen McCutchen, B. S. F., *Range Exam.*

Recreation and Lands:
John W. Spencer, B. A., M. F., *Asst. Reg. For.*
Fred R. Johnson, M. F., *Insp.*
Fred B. Agee, *Sr. For.*
William M. H. Woodward, *Assoc. Min. Exam.*
Thomas M. Moorman, LL. B., *Pr. Clerk.*

Engineering:
James L. Brownlee, C. E., Ch. E., M. E., *Reg. Engin.*
Carl A. Gould, C. E., *Engin.*
Ress Philips, *Sr. Off.*
Riley Cass, *Hwy. Engin.*
James P. Reddick, *Civil Engin.*
Thomas J. Watkins, *Assoc. Equip. Engin*
Frank E. Washburn, *Assoc. Civil Engin.*

Fiscal Control:
Joel I. Buckner, *Reg. Fiscal Agt.*
Carl M. Stanley, *Deputy Reg. Fiscal Agt.*

National Forests:
Colorado:
Arapahoe (hdqrs., Hot Sulphur Springs):
Edward F. Heaton, *For. Supvr.*
Charles A. Kutzleb, *Asst. For.*
Cochetopa (hdqrs., Salida):
Wallace J. Pearce, *For. Supvr.*
Grand Mesa (hdqrs., Grand Junction):
Ray Peck, *For. Supvr.*
Lewis A. Cummings, B. S. F., *Asst. For.*
Gunnison (hdqrs., Gunnison):
John V. Leighou, B. S. F., *For. Supvr.*
Ray R. Clarke, *Asst. For. Supvr.*
Holy Cross (hdqrs., Glenwood Springs):
Marion J. Webber, *For. Supvr.*
Eugene R. Lepley, B. S. F., *Asst. For.*
Montezuma (hdqrs., Mancos):
Walter L. Schipull, B. S. F., *For. Supvr.*
Avon Denham, B. S. F., *Asst. For.*
Pike (hdqrs., Colorado Springs):
Everard S. Keithley, *For. Supvr.*
Paul P. McCord, B. S. F., *Asst. For. Supvr.*
John C. Leadbeater, B. S. F., *Asst. For.*
Walter H. Schrader, *Chief For. Planting Asst.*
Rio Grande (hdqrs., Monte Vista):
Arthur F. Hoffman, B. F. S., *For. Supvr.*
Paul L. Ginter, B. S. F., *Asst. For. Supvr.*
Roosevelt (hdqrs., Fort Collins):
William R. Kreutzer, LL. B., *For. Supvr.*
Ralph R. Hill, M. F., *Asst. For. Supvr.*
Routt (hdqrs., Steamboat Springs):
William B. Fay, *For. Supvr.*
Philip McCandless, B. S. F., *Jr. For.*
San Isabel (hdqrs., Pueblo):
Fritz J. Poch, B. S. F., *For. Supvr.*
J. Malcolm Loring, M. F., *Asst. For. Supvr.*
San Juan (hdqrs., Durango):
Andrew Hutton, B. S. F., *For. Supvr.*
James B. Beals, *Asst. For. Supvr.*
Uncompahgre (hdqrs., Delta):
Lewis R. Rist, *For. Supvr.*
Paul G. Lundell, B. S. F., *Asst. For. Supvr.*
White River (hdqrs., Glenwood Springs):
Edward Wright, *For. Supvr.*
Donald W. Shaw, B. S. F., *Asst. For. Supvr.*

National Forests—Continued.

Nebraska:
Nebraska (hdqrs., Halsey):
Victor J. Dayharsh, B. S. F., *For. Supvr.*

South Dakota:
Black Hills (hdqrs., Deadwood):
Theodore Kreuger, *For. Supvr.*
Eldred R. Ware, B. S. F., *Asst. For. Supvr.*
Carrol D. Clark, *Sr. Admin. Asst.*
Clarence C. Averill, M. F., *Asst. For.*
Harney (hdqrs., Custer):
Elva A. Snow, B. S. F., *For. Supvr.*
John H. Sieker, M. F., *Asst. For. Supvr.*

Wyoming:
Bighorn (hdqrs., Sheridan):
James F. Conner, *For. Supvr.*
Edwin L. Miller, *Asst. For. Supvr.*
Medicine Bow (hdqrs., Laramie):
Jarvis S. Veeder, *For. Supvr.*
Stanley A. Mahan, *Asst. For. Supvr.*
Earl E. Ericson, B. S. F., *Asst. For.*
Shoshone (hdqrs., Cody):
Paul G. Redington, A. B., M. F., *For. Supvr.*
Carl G. Krueger, B. S. F., *Asst. For. Supvr.*
Washakie (hdqrs., Lander):
Roy L. Williams, *For. Supvr.*
Benjamin M. Whitehill, B. S. F., *Asst. For.*

REGION 3—SOUTHWESTERN REGION

Arizona and New Mexico (hdqrs., Albuquerque, N. Mex.).
Frank C. W. Pooler, *Reg. For.*
M. M. Cheney, LL. B., *Assoc. Reg. For.*

Operation:
Stanley F. Wilson, A. B., M. F., *Asst. Reg. For.*
E. G. Miller, A. B., *Insp.*
L. J. Putsch, *Officer, in charge of training, Programs, and Methods.*
Edward P. Ancona, B. S. F., *Admin. Officer (Supply off.).*
E. S. French, LL. B., M. P. L., *Reg. Law Off.*

Timber Management:
Quincy Randles, B. S., M. S. F., *Asst. Reg. For.*
D. M. Lang, *Log. Engin.*
W. H. Long, A. M., Ph. D., *Consult. Path. (Bur. Pl. Ind.).*

Wildlife and Range Management:
David A. Shoemaker, *Asst. Reg. For.*
James A. Scott, *Insp.*
W. G. Koogler, *Sr. Range Exam.*
R. P. Boone, *Range Exam.*

Recreation and Lands:
G. W. Kimball, A.B., M.F., *Asst. Reg. For.*
J. A. Adams, M. E., *Insp.*
L. J. Arnold, A. B., *Sr. For.*

Engineering:
C. A. Long, C. E., *Asst. Reg. Engin.*
James F. Mullen, *Insp.*
R. L. Hughes, *Civil Engin.*

Public Relations:
Rex King, A. B., M. S. F., *Asst. Reg. For.*

F. L. McCament, *Sr. Publication Exhibit Asst.*
Harold A. Kendall, *Jr. Publication Exhibit Asst.*

Fiscal Control:
Albert Morris, *Reg. Fiscal Agt.*
P. H. Harley, *Dep. Reg. Fiscal Agt.*
W. L. Stiles, *Dept. Reg. Fiscal Agt.*

National Forests:
Arizona:
Apache (hdqrs., Springerville):
C. E. Moore, *For. Supvr.*
Willard F. Bond, B. S., M. F., *Asst. For. Supvr.*
Merle C. Oleson, B. S. F., *Dist. For. Ranger.*

National Forests—Continued.

Arizona—Continued.
Coconino (hdqrs., Flagstaff):
Ralph W. Hussey, B. S., *For. Supvr.*
Robt. M. Munro, *Asst. For Supvr.*
Robt. F. Rhinehart, *Prin. Lumberman.*
Lloyd A. Wall, B. S. F., M. S., *Assoc. Range Exam.*
Donald D. Cutler, B. S., M. F., *Sr. For. Ranger.*
Coronado (hdqrs., Tucson):
Frederic Winn, B. S., *For Supvr.*
Henry G. Smith, *Asst. For. Supvr.*
Geo. E. Engstrom, B. S. F., *Dist. For. Ranger.*
Crook (hdqrs., Safford):
F. L. Grubb, *For Supvr.*
Clifford E. McDuff, *Assoc. Range Exam.*
Kaibab (hdqrs., Williams):
Walter G. Mann, *For. Supvr.*
Tracy W. Rice, *Asst. For. Supvr.*
Odell Julander, B. S., *Assoc. Range Exam.*
Dean M. Earl, B. S. F., *Sr. For. Ranger.*
F. J. Monighan, *Assoc. For.*
Prescott (hdqrs., Prescott):
Jacob C. Nave, *For. Supvr.*
J. C. McNelty, *Asst. For. Supvr.*
Wm. H. Cole, B. S. F., M. A., *Dist. For. Ranger.*
Sitgreaves (hdqrs. Holbrook):
Fred Merkle, *For. Supvr.*
Wilson M. Beveridge, B. S. F., *Asst. For. Supvr.*
Edward C. Groesbeck, *Asst. For. Supvr.*
Paul W. Tillman, B. S., *Sr. For. Ranger.*
Tonto (hdqrs., Phoenix):
F. L. Kirby, *For. Supvr.*
J. H. Sizer, *Asst. For. Supvr.*
W. E. Wiltbank, *Range Exam.*

New Mexico:
Carson (hdqrs., Taos):
C. A. Merker, B. S. F. *For. Supvr.*
L. L. Feight, *Asst. For. Supvr.*
Floyd M. Hodgin, B. S. F., *Dist. For. Ranger.*
Cibola (hdqrs., Albuquerque):
O. Fred Arthur, *For. Supvr.*
H. W. Naylor, *Asst. For. Supvr.*
Wm. H. Woods, *Asst. For. Supvr.*
Paul Y. Vincent, B. S. F., *Dist. For. Ranger.*
Gila (hdqrs., Silver City):
L. R. Lessel, B. S. F., *For. Supvr.*
R. B. Ewing, *Asst. For. Supvr.*
Lincoln (hdqrs., Alamogordo):
C. R. Dwire, *For. Supvr.*
L. A. Brisbin, *Asst. For. Supvr.*
Santa Fe (hdqrs., Santa Fe):
Frank E. Andrews, *For. Supvr.*
Perl Charles, *Assoc. For.*
Floyd A. Nichols, B. S., *Sr. For. Ranger.*

REGION 4—INTERMOUNTAIN REGION

Utah, southern Idaho, western Wyoming, Nevada (hdqrs., Ogden, Utah):
R. H. Rutledge, *Reg. For.*
C. N. Woods, *Assoc. Reg. For.*

Operation:
C. N. Woods, *Assoc. Reg. For.*
Thomas V. Pearson, *Reg. Supply Asst.*
J. W. Farrell, B. S., *Insp.*

Timber Management:
J. W. Farrell, B. S., *Insp., in charge.*
U. S. Swartz, *Assoc. Log. Engin.*
J. T. Mathews, B. S., *Assoc. For.*
Harry S. Hinkley, M. S., *Jr. For.*

Wildlife and Range Management:
Ernest Winkler, *Asst. Reg. For.*
O. A. Olsen, *Insp.*
A. R. Standing, B. S., *Range Exam.*
T. Dean Phinney, B. S., *Asst. Range Exam.*

Recreation and Lands:
Dana Parkinson, A. B., M. F., *Asst. Reg. For.*

Engineering:
J. P. Martin, C. E., *Asst. Reg. For.*
W. W. Blakeslee, *Off. in Charge, Roads, Trails, and Improvements.*
H. M. Shank, *Insp.*

Public Relations:

Dana Parkinson, A. B., M. F., *Asst. Reg. For.*
J. W. Stokes, B. S., M. F., *For.*
Mildred B. Williams,* B. A., *Reg. Libr.*

Fiscal Control:

Lee Stratton, *Reg. Fiscal Agt.*
Alan Richards, *Dep. Fiscal Agt.*

National Forests:

Idaho:
Boise (hdqrs., Boise):
Guy B. Mains, *For. Supvr.*
Arthur Potter, *Asst. For. Supvr.*
Milton C. Sill, B. S., *Jr. For.*
Caribou (hdqrs., Montpelier):
M. S. Benedict, *For. Supvr.*
Challis (hdqrs., Challis):
Clayton W. Scribner, B. S., Dist. *For. Ranger.*
Idaho (hdqrs., McCall):
S. C. Scribner, *For. Supvr.*
Curtis E. Price, B. S., *Asst. For. Supvr.*
K. E. Wilde, B. S., *Dist. For. Ranger.*
Minidoka (hdqrs., Burley):
Blaine Betenson, *For. Supvr.*
W. M. Saling, M. S., *Dist. For. Ranger.*
Payette (hdqrs., Boise):
W. B. Rice, M. F., *For. Supvr.*
Thos. Van Meter, B. S., *Asxt. For. Supvr.*
Raymond F. Calkins, B. S., *Jr. For.*
Salmon (hdqrs., Salmon):
John N. Kinney, *For. Supvr.*
D. E. Romano, B. S., *Asst. For. Supvr.*
H. H. Van Winkle, B. S. *Sr. For. Ranger*
Sawtooth (hdqrs., Hailey):
F. S. Moore, *For. Supvr.*
L. A. Dremolski, B. S., *Jr. Range Exam.*
N. D. Millard, B. S., *Dist. For. Ranger.*
Targhee (hdqrs., St. Anthony):
Floyd W. Godden, B. S., *For. Supvr.*
Arthur Buckingham, B. S., *Asst. For. Supvr.*
Rufus Hall, B. S., *Sr. For. Ranger.*
Weiser (hdqrs., Weiser):
John Raphael, *For. Supvr.*
Nevada:
Humboldt (hdqrs., Elko):
Alexander McQueen, *For. Supvr.*
A. R. Torgerson, *Asst. For. Supvr.*
Nevada (hdqrs., Ely):
George C. Larson, *For. Supvr.*
Utah:
Ashley (hdqrs., Vernal):
J. O. Stewart, B. S., *For. Supvr.*
Cache (hdqrs., Logan):
Carl B. Arentson, *For. Supvr.*
H. H. Price, M. S., *Asst. Range Exam.*
H. C. Hoffman, M. S., *Dist. For. Ranger.*
Joe A. Libby, B. S., *Dist. For. Ranger.*
Dixie (hdqrs., Cedar City):
J. E. Gurr, *For. Supvr.*
Fishlake (hdqrs., Richfield):
C. A. Mattsson, *For Supvr.*
A. L. Taylor, B. S., *Asst. For. Supvr.*
La Sal (hdqrs., Moab):
S. S. Stewart, A. B., M. S., *For. Supvr.*
Manti (hdqrs., Ephraim):
J. W. Humphrey, *For. Supvr.*
S. S. Van Boskirk, B. S., *Exec. Asst.*
Powell (hdqrs., Panguitch):
A. C. Folster, *For Supvr.*
J. D. Hansen, B. S., *Dist. For. Ranger.*
Uinta (hdqrs., Provo):
Charles DeMoisy, Jr., *For Supvr.*
A. J. Wagstaff, B. S., *Asst. For. Supvr.*
Wasatch (hdqrs., Salt Lake City):
Chester J. Olsen, *For. Supvr.*
Felix C. Koziol, B. S., *Asst. For Supvr.*
John W. Parker, B. S., *Jr. For.*
Wyoming:
Teton (hdqrs., Jackson):
A. C. McCain, *For Supvr.*
J. W. West, B. S., *Asst. For. Supvr.*
A. P. Balch, B. S., *Dist. For. Ranger.*
Wyoming (hdqrs., Kemmerer):
C. E. Favre, M. S., *For. Supvr.*
Clark Miles, *Asst. For. Supvr.*
Melvin A. Coonrod, B. S., *Jr. For.*

REGION 5—CALIFORNIA REGION

California and southwestern Nevada (hdqrs., San Francisco, Calif.).
Stuart B. Show, A. B., M. F., *Reg. For.*

Operation:

Robert L. Deering, A. B., M. F., *Asst. Reg. For.*
Paul P. Pitchlynn, *Asst. Reg. For. Insp.*
Mayhew H. Davis, *For.*
W. M. Gracey, *Jr. Admin. Off.*
Elsa H. Schmieder, *Sr. Clerk.*
Frank J. Jefferson, *Sr. Reg. For. Insp.*
W. A. Huestis, *Supt. of Road Const.*
Chas. L. Young, *Assoc. Civil Engin.*
F. H. Hafley, *Admin. Asst.*
Wm. Vernon Jones, *For.*
Carl A. Gustafson, B. S., M. F., *Assoc. For.*
Chester B. Morse, A. B., M. F., *Asst. Reg. For.*
H. P. Dechant, A B., LL. B., *Reg. Law Off.*

Timber Management:

T. D. Woodbury, Ph. D., M. F., *Asst. Reg. For.*
C. E. Dunston, B. F., *Insp.*
J. R. Berry, *Sr. Log. Engin.*
Wm. S. Price, *Log. Engin.*
O. M. Evans, *For.*
C. L. Tebbe, B. S., *Assoc. For.*
P. R. Kevin, B. S., *For.*
A. B. Everts, B. S., *Assoc. For.*
C. W. Corson, M. S., *For.*
Willis W. Wagner, A. B., M. S., *Consult. Path.* (*coop. Bur. Pl. Ind.*).
J. L. Mielke, *Asst. Path.* (*coop. Bur. Pl. Ind.*).
J. M. Miller, B. S., *Sr. Ent. in charge* (*coop. Bur. Ent.*).
K. A. Salman, Ph. D., *Assoc. Ent.* (*coop. Bur. Ent. and Pl. Quar.*).
J. E. Patterson, *Collab.* (*coop. Bur. Ent.*).
G. R. Struble, B. S., *Asst. Ent.* (*coop. Bur. Ent. and Pl. Quar.*).
P. C. Johnson, *Jr. For.* (*coop. Bur. Ent. and Pl. Quar.*).

Wildlife and Range Management:

Andrew G. Brenneis, *Assoc. Range Exam.*
Fred P. Cronemiller, B. S., *Asst. Reg. For.*
John S. Edwards, B. S., *Prin. For. Ranger.*
Fred W. Johnson, B. S., *Assoc. Range Exam.*
Lloyd W. Swift, B. S., *Assoc. Range Exam.*

Recreation and Lands:

L. A. Barrett, *Asst. Reg For.*
Lewis H. Anderson, *For.*
W. H. Friedhoff, E. M., *Sr. Reg. For. Insp.*
James N. Gibson, B. S. M. F., *Asst. For*

Engineering:

E. W. Kramer, C. E., *Asst. Reg. For.*
John C. Beebe, B. S., C. E., *Sr. Civil Engin.*
S. H. Ketcham, E. M., *Assoc. Hydroelec. Engin.*
H. A. Sedelmeyer, *Assoc. Civil Engin.*
T. R. Littlefield, B. F., F. E., *Topographic Engin.*
B. B. Burnett, C. E., *Sr. Hwy. Engin.*
J. H. Lawrence, *Civil Engin.*
J. F. Serex, A. B., *Asst. Civil Engin.*

Public Relations:

Wallace I. Hutchinson, A. B., M. F., *Asst. Reg. For.*
Robert W. Ayers, Ph. B., M. F., *Conserv. Writer.*
Edith Schofield, M. A., *Reg. Libr.*

Fiscal Control:

A. W. Smith *Reg. Fiscal Agent.*
Earl V. Lackey, *Dep. Fiscal Agent.*
L. P. Wilsey, *Dep. Fiscal Agent.*

National Forests:

California:
Angeles (hdqrs., Los Angeles):
Wm. V. Mendenhall, *For. Supvr.*
August J. Mueller, *Assoc. For.*
Alfred K. Crebbin, *Asst. For. Supvr.*
George Armstrong, B. S., *Dist. For. Ranger.*
Roy W. Lundh, B. S., *Jr. For.*

National Forests—Continued.
California—Continued.
Cleveland (hdqrs., San Diego):
Guerdon Ellis, B. S., *For. Supvr.*
Virgil C. DeLapp, *Asst. For. Supvr.*
Albert M. Longacre, B. S., *Dist. For. Ranger.*
Eldorado (hdqrs., Placerville):
E. F. Smith, *For. Supvr.*
Arnold N. Weber, M. S., *Asst. For.*
Walter F. Puhn, B. S., *Jr. For.*
Inyo (hdqrs., Bishop):
Roy Boothe, *For. Supvr.*
Klamath (hdqrs., Yreka):
Thomas J. Jones, *For. Supvr.*
Thomas A. Bigelow, *Assoc. For.*
Ernest L. Baxter, B. S., *Asst. For. Supvr.*
Frederick W. Grover, B. S., *Asst. For.*
Lassen (hdqrs., Susanville):
Percy D. Hanson, B. S., *For. Supvr.*
Geo. K. Fox, B. S., *Asst. For. Supvr.*
Reuben P. Box (*N. Butte Protection Dist.*) *Dist. For. Ranger.*
Marc. W. Edmonds, B. S., *Assoc. For.*
C. W. Corson, M. S., *For.*
George A. Fischer, B. S., *Dist. For. Ranger.*
Mendocino (hdqrs., Willows):
Frank Price, *For. Supvr.*
W. F. Derby, A. B., *Asst. For. Supvr.*
Randal McCain, B. S., *Dist. For. Ranger.*
Modoc (hdqrs., Alturas):
Russell W. Beeson, B. A., *For. Supvr.*
Russell S. Bacon, B. S., M. S. F., *Assoc. For.*
Fred J. Dooley, *Asst. For.*
Plumas (hdqrs., Quincy):
D. N. Rogers, B. S., M. F., *For. Supvr.*
John T. Gray, *Assoc. For.*
Theodore B. Niehaus, B. S., *Jr. For.*
Waldo E. Wood, B. S., *Asst. For.*
Travis M. Tyrrell, B. S., *Dist. For. Ranger.*
Henry E. Norton, B. S., *Asst. For.*
San Bernardino (hdqrs., San Bernardino):
DeWitt Nelson, B. S., *For. Supvr.*
Frank A. Robinson, *Assoc. For.*
Leon H. J. Cranston, *Assoc. For.*
Robert E. Jones, B. S., *Asst. For. Supvr.*
Lynn A. Horton, B. S., *Dist. For. Ranger.*
David M. Tucker, B. S., *Dist. For. Ranger.*
Santa Barbara (hdqrs., Santa Barbara):
S. A. Nash-Boulden, *For. Supvr.*
Cyril S. Robinson, *Assoc. For.*
Walter Rex Denney, B. S., *Dist. For. Ranger.*
Houghton Durbrow, B. S., *Dist. For. Ranger.*
Paul C. Case, B. S. F., M. F., *Dist. For. Ranger.*
Sequoia (hdqrs., Porterville):
Joseph E. Elliott, *For. Supvr.*
Claude K. Barker, *Asst. For. Supvr.*
S. Cooper Smith, B. S., *Asst. For.*
Ralph G. Brown, B. S., *Dist. For. Ranger.*
Norman F. Spangenberg, B. S., *Jr. For.*
Shasta (hdqrs., Mt. Shasta):
Earl E. Bachman, B. S., *For. Supvr.*
Frank Myers, *Prin. Foreman.*
Crawford R. Buell, B. S., *Assoc. For.*
George E. Sargent, B. S., *Asst. For. Supvr.*
Everett J. Jensen, B. S., *Jr. For.*
Alvin L. Parker, B. S., *Dist. For. Ranger.*
Sierra (hdqrs., Northfork):
M. A. Benedict, B. S., *For. Supvr.*
Audie K. Wofford, *Assoc. For.*
Edward G. Madsen, B. S., *Dist. For. Ranger.*
Stanislaus (hdqrs., Sonora):
J. R. Hall, M. S., *For. Supvr.*
Orville P. Burnett, B. S., *Asst. For. Supvr.*
Frank W. Embree, B. S., *Jr. For.*
R. Kenneth Smith, B. S., *Jr. For.*
Heber P. Struble, B. S., *Dist. For. Ranger.*
Tahoe (hdqrs., Nevada City):
R. L. Bigelow, *For. Supvr.*
Belknap C. Goldsmith, B. S., F. M., *Assoc. Log Engin.*
Leland S. Smith, *Assoc. For.*
Russell W. Bower, B. S., *Dist. For. Ranger.*
Trinity (hdqrs., Weaverville):
Frank P. Cunningham, *For. Supvr.*
James P. Farley, B. S., *Asst. For. Supvr.*
Melvin E. Barron, B. S., *Jr. For.*
Norman J. Farrell, B. S., *Dist. For. Ranger.*

National Forests—Continued.
Nevada:
Mono (hdqrs., Minden):
Wm. M. Maule, *For. Supvr.*

REGION 6—NORTH PACIFIC REGION

Washington and Oregon (hdqrs., Portland, Oreg.):
C. J. Buck, A. B., M. F., *Reg. For.*

Operation:
M. L. Merritt, M. S. A., *Asst. Reg. For.*
Allen H. Hodgson, M. F., *Asst. Reg. For.*
John F. Campbell, *Sr. Reg. For. Insp.*
Reinhold A. Bottcher, *For.*
Clay M. Allen, *Adm. Asst.*
Albert Arnst, B. S., *Asst. For.*
Lloyd R. Olson, B. S., *Sr. For. Ranger.*
James Frankland, *Asst. Reg. For.*
John R. Bruckart, *Sr. Reg. For. Insp.*
Walter L. Dutton, *Sr. Reg. For. Insp.*
Herschel C. Obye, *Asst. For. Supvr.*

Timber Management:
Frederick H. Brundage, Ph. B., M. F., *Asst. Reg. For.*
Oliver F. Ericson, A. B., M. S. F., *Sr. Log. Engin.*
Fred E. Ames, A. B., M. F., *Asst. Reg. For.*
Newell L. Wright, B. S. F., *Sr. For.*
Julius F. Kummel, M. A., *Assoc. For.*
Alexander J. Jaenicke, B. S. F., *Assoc. For.*
Fred A. Matz, *Chief Lumberman.*
George E. Stevenson, *Chief Lumberman.*
H. G. Lachmund, A. B., *Assoc. Path.* (*coop. Bur. Pl. Ind.*)
T. S. Buchanan, B. S., *Jr. Path.* (*coop. Bur. Pl. Ind.*).

Wild Life and Range Management:
Edw. N. Kavanagh, *Asst. Reg. For.*
Ed. E. Birkmaier, B. S., *Range Exam.*
Edw. P. Cliff, B. S., *Assoc. Reg. for Insp.*

Recreation and Lands:
Floyd V. Horton, *Asst. Reg. For.*
Thomas H. Sherrard, A. B., *Insp.*
Fred W. Cleator, B. S. A., *Sr. For.*
Ira J. Mason, B. S., *For.*
Alva G. Simson, *Radio Engin.*

Engineering:
Raymond F. Grefe, B. S., *Insp.*
Herbert E. Howes, B. S., *Assoc. Civil Engin.*
Joseph W. Fulton, *Dist. For. Ranger.*
Victor H. W. Flach, *Topographic Engin.*
Lage Wernstedt, M. E., M. F., *Assoc. Topographic Engin.*

Public Relations:
George E. Griffith, *Visual Education Off.*
E. Maude Stone, *Lib. Asst.*

Fiscal Control:
Albert H. Cousins, *Reg. Fiscal Agt.*
Henry J. Weil, *Dep. Fiscal Agt.*

State and Private Forests:
H. L. Plumb, A. B., M. S. F., *Asst. Reg. For.*
Everett H. MacDaniels, A. B., M. F., *Sr. For.*
William B. Osborne, A. B., M. F., *Sr. Reg. For. Insp.*
Bruce E. Hoffman, B. S., *Sr. For.*
Robert W. Putnam, B. S., *Asso. For.*
C. Otto Lindh, B. S., *Asso. For.*

National Forests:
Oregon:
Deschutes (hdqrs., Bend):
Carl B. Neal, A. B., M. F., *For. Supvr.*
A. G. Angell, *Asst. For. Supvr.*
Chas. H. Overbay, B. S., *Asst. For.*
O. L. Beedon, B. S., *Jr. Range Exam.*
Cleon L. Clark, B. S., *Asst. For.*
Fremont (hdqrs., Lakeview):
W. O. Harriman, A. B., *For. Supvr.*
Chester A. Bennett, B. S., *Dist. For. Ranger.*
Melvin H. Burke, M. S., Jr. *Range Exam.*
Jack B. Hogan, B. S., *Dist. For. Ranger,*

National Forests—Continued.
Oregon—Continued.
Malheur (hdqrs., John Day):
Carl M. Ewing, *For. Supvr.*
Frank Folsom, *Asst. For. Supvr.*
James C. Iler, B. S. F., *Asst. For.*
H. R. Elliott, *Jr. For.*
Mount Hood (hdqrs., Portland):
A. O. Waha, *For. Supvr.*
Foster Steele, *Asst. For. Supvr.*
Paul A. Brinson, M. F., *Jr. For.*
Vondis E. Miller, B. S., M. S. F., *Asst. For.*
F. E. Williamson, Jr., B. S. F., *Asst. For.*
Ochoco hdqrs., Prineville):
Lester Moncrief, B. S. F., *For. Supvr.*
Rogue River (hdqrs., Medford):
Karl L. Janouch, B. S., *For. Supvr.*
N. C. White, B. E., *Asst. For. Supvr.*
K. P. McReynolds, B. S. F., *Asst. For.*
Norman J. Penick, M. S., *Jr. For.*
Maurice L. Tedrow, B. S., *Dist. For. Ranger.*
Siskiyou (hdqrs., Grants Pass):
G. E. Mitchell, *For. Supvr.*
Clarence C. Olsen, B. S., *Asst. For. Supvr.*
A. G. Jackson, A. B., M. S. F., *Asst. For.*
Adolph Nilsson, B. S., *Dist. For. Ranger.*
Siuslaw (hdqrs., Eugene):
Ralph S. Shelley, B. S., *For. Supvr.*
T. H. Burgess, B. S., *Asst. For. Supvr.*
A. R. Wilcox, B. S., *Asst. For.*
M. L. Holst, B. S. F., *Asst. For.*
Simeri Jarvi, B. S., *Jr. For.*
Umatilla (hdqrs., Pendleton):
J. F. Irwin, *For. Supvr.*
Bernard Lee, B. S. F., *Assoc. Range Exam.*
John G. Clousten, B. S., *Assoc. For.*
Lawrence K. Mays, *Jr. Admin. Off.*
O. E. Tharp, B. S. F., *Jr. For.*
Umpqua (hdqrs., Roseburg):
Vernon V. Harpham, *For. Supvr.*
Robert D. Maclay, *Assoc. For.*
Charles H. Thurston, Jr., *Dist. For. Ranger.*
Wallowa (hdqrs., Enterprise):
Rolland Huff, *For. Supvr.*
Lawrence Frizzell, *Asst. For. Supvr.*
Whitman (hdqrs., Baker):
F. W. Furst, B. S., *For. Supvr.*
Chas. M. Rector, B. S., *Asst. For. Supvr.*
Fenton G. Whitney, B. S., *Asst. For.*
John D. Moffitt, B. S., *Jr. For.*
Leo A. Hanna, B. S., M. S., *Jr. Range Exam.*
Willamette (hdqrs., Eugene):
P. A. Thompson, *For. Supvr.*
Henry G. White, *Asst. For. Supvr.*
H. E. Haefner, B. S. A., *Asst. For.*
W. R. Anderson, B. S., *Jr. For.*
D. J. Stoner, B. S., *Dist. For. Ranger.*
Harold R. Bowerman, B. S., *Jr. For.*
Emil Norgorden, B. S., *Jr. For.*
Washington:
Chelan (hdqrs., Okanogan):
P. T. Harris, A. B., M. F., *For. Supvr.*
Roy Mitchell, *Assoc. For.*
P. L. Paine, B. S. F., *Asst. For. Supvr.*
H. G. Cooper, B. S., *Jr. For.*
Columbia (hdqrs., Vancouver):
Kirk P. Cecil, *For. Supvr.*
G. A. Bright, B. A., M. F., *Asst. For.*
W. F. Will, *Sr. For., Planting Asst. Wind River Nursery.*
Richard Tubman, B. S. F., *Jr. For.*
Colville (hdqrs., Republic):
A. D. Moir, Jr., *For. Supvr.*
Lloyd L. Hougland, *Assoc. For.*
F. W. Cory, B. S. F., M. S., *Jr. For.*
Lester J. McPherson, B. S. F., *Jr. For.*
Mount Baker (hdqrs., Bellingham):
Lawrence B. Pagter, B. A., M. F., *For Supvr.*
R. L. Fromme, B. S. A., M. F., *Asst. For Supvr.*
Olympic (hdqrs., Olympia):
Edw. J. Hanzlik, B. S. F., *Assoc. For.*
Paul H. Logan, B. S. F., *Chief Lumberman.*
L. L. Colvill, *Asst. For. Supvr.*
John P. Hough, B. S., *Dist. For. Ranger.*

National Forests—Continued.
Washington—Continued.
Snoqualmie (hdqrs., Seattle):
John O. Kuhns, *For. Supvr.*
E. J. Fenby, *Asst. For. Supvr.*
C. J. Conover, B. S., M. S. F., *Asst. For. Supvr.*
Walter H. Lund, B. S., *Assoc. For.*
Paul S. Pieper, B. S., *Dist. For. Ranger.*
John W. Sarginson, B. S. F., *Jr. For.*
Wenatchee (hdqrs., Wenatchee):
Gilbert D. Brown, *For. Supvr.*
Harry W. Elofson, B. S., *Asst. For. Supvr.*
F. D. Monroe, B. S., *Jr. For.*
Glenn C. Charlton, B. S., *Supt. of Const. and Maintenance.*
Dahl J. Kirkpatrick, B. S. F., *Dist. For. Ranger.*
Ralph W. Crawford, B. S. F., *Dist. For. Ranger.*

REGION 7—EASTERN REGION

Connecticut, Delaware, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Puerto Rico, Rhode Island, Vermont, Virginia, West Virginia (hdqrs., Washington, D. C.).
R. M. Evans, A. B., M. F., *Reg. For.*
J. E. Scott, *Assoc. Reg. For.*

Operation:
R. W. Shields, B. S., *Asst. Reg. For.*
G. R. Salmond, *Sr. For.*
W. F. Oakes, B. S., *For.*

Fiscal Control:
L. T. Mahurin, *Reg. Fiscal Agt.*

Timber, Range, and Wildlife Management:
Howard Hopkins, A. B., M. F., *Asst. Reg. For.*
R. R. Chaffee, A. B., M. F., *Sr. For.*

Recreation and Lands:
I. T. Yarnall, B. S., *Asst. Reg. For.*
S. H. Marsh, M. F., *Sr. Reg. For. Insp.*
D. W. Tabbutt, B. S., *Sr. Log. Engin.*
W. E. Hedges, *For.*

Engineering:
J. C. Dort, B. S., *Asst. Reg. For.*
M. S. Wright, *Engin.*

State and Private Forestry:
C. R. Tillotson, B. S., *Asst. Reg. For.*
G. T. Backus, F. E., *Sr. Dist. For. Insp.*
C. A. Hoar, A. B., M. F., *Sr. Dist. For. Insp.*

National Forests:
Kentucky:
Cumberland Purchase Unit (hdqrs., Winchester):
C. L. Graham, *For. Supvr.*
D. W. Beck, B. S., *Asst. For. Supvr.*
A. H. Anderson, B. S., *Asst. For.*
A. T. Kendrick, B. S., *Supt. Road Const.*
K. M. Stoller, B. S., *Dist. For. Ranger.*
B. A. Eger, B. S., *Dist. For. Ranger.*
K. P. Butterfield, M. F., *Jr. For.*
E. M. Oliver, B. S., *Asst. For.*
New Hampshire:
White Mountain (hdqrs., Laconia):
M. A. Mattoon, M. F., *For. Supvr.*
G. S. Wheeler, M. F., *Asst. For. Supvr.*
F. S. Fuller, M. F., *Assoc. For.*
T. C. Flint, M. F., *Assoc. For.*
H. C. Waldo, B. S., *Dist. For. Ranger.*
M. B. Bruce, B. S., *Dist. For. Ranger.*
Jacob Ryerson, M. F., *Jr. For.*
Pennsylvania:
Allegheny (hdqrs., Warren):
L. S. Gross, B. S., *For. Supvr.*
Otto Koenig, M. F., *Asst. For. Supvr.*
B. C. Park, B. S., *Asst. Range Exam.*
A. R. Cochran, B. S., *Dist. For. Ranger.*
E. M. Karger, B. S., *Jr. For.*
C. L. Kinney, B. S., *Jr. For.*
Puerto Rico:
Caribbean (hdqrs., Rio Piedras):
Evan W. Hadley, B. S., *For. Supvr.*

National Forests—Continued.

Vermont:
Green Mountain (hdqrs., Laconia, N. H.):
A. C. Van Nort, B. S., *Dist. For. Ranger.*

Virginia:
George Washington (hdqrs., Harrisonburg):
H. L. Borden, B. S., *For. Supvr.*
M. C. Howard, B. S., *Asst. For. Supvr.*
L. R. Strickenberg, B. S., *Chief Land Exam.*
Benj. Lucas, B. S., *Dist. For. Ranger.*
A. E. Eckes, M. F., *Jr. For.*
C. P. Mead, B. S., *Jr. For.*
E. H. Meekins, B. S., *Jr. For.*
Mountain Lake Purchase Unit (hdqrs., Roanoke):
J. W. McNair, *For. Supvr.*
Edw. Ritter, M. F., *Asst. For. Supvr.*
W. W. Taylor, B. S., *Assoc. Reg. For. Insp.*
L. R. Smith, B. S., *Sr. For. Ranger.*
F. H. Sipe, M. F., *Dist. For. Ranger.*
J. N. VanAlstine, B. S., *Dist. For. Ranger.*

West Virginia:
Monongahela (hdqrs., Elkins):
A. A. Wood, *For. Supvr.*
H. C. Hulett, M. F., *Asst. For. Supvr.*
E. R. Conrad, *Chief Land Exam.*
C. C. Stone, *Chief Land Exam.*
D. A. Oliver, B. S., *Asst. For.*
G. L. Varney, M. F., *Dist. For. Ranger.*
W. L. Maule, M. F., *Jr. For.*
W. A. Medesy, M. F., *Jr. For.*

REGION 8—SOUTHERN REGION

Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas (hdqrs., Glenn Building, Atlanta, Ga.)
Joseph C. Kircher, M. F., *Reg. For.*
H. O. Stabler, M. F., *Assoc. Reg. For.*

Operation:
J. F. Brooks, B. S., *Asst. Reg. For.*
Elizabeth S. Pitt*, B. A., *Assoc. Ed.*
E. F. Mynatt, LL. B., *Reg. Law Off.*
R. J. Riebold, B. S., *For.*
Sam R. Broadbent, B. S., M. F., *Insp.*

Forest and Range Management:
A. C. Shaw, B. S., *Asst. Reg. For.*
B. O. Hughes, M. S., *Sr. Logging Engin.*
A. L. Nelson, B. S., *Sr. For.*
E. A. Schilling, B. S., *Range Exam.*
H. E. Ochsner, M. F., *For.*
D. R. Brewster, B. S., *Sr. For.*
C. G. Smith, M. F., *For. Supvr.*

Recreation and Lands:
W. P. Kramer, B. S., *Asst. Reg. For.*
P. J. Paxton, M. F., *Insp.*
C. E. Beaumont, Ph. B., *Assoc. For.*
S. D. Beichlar, B. S., *Assoc. For.*
E. J. Schlatter, B. S., *Logging Engin.*
W. I. Stevens, M. F., *For.*

Engineering:
R. E. Pidgeon, B. S., *Asst. Reg. For.*
Geo. W. Root, *Sr. Off.*
W. N. Sloan, B. E., *Topographic Engin.*

Fiscal Control:
H. E. Marshall, *Reg. Fiscal Agt.*
H. B. Herms, *Dep. Reg. Fiscal Agt.*

States Relations:
C. F. Evans, M. F., *Asst. Reg. For.*
W. R. B. Hine, M. F., *Sr. Dist. For. Insp.*
H. J. Eberly, B. S., *Sr. Dist. For. Insp.*

National Forests:

Alabama:
Alabama (hdqrs., Athens, Tenn.):
D. E. Clark, B. S., *For. Supvr.*
P. F. W. Prater, B. S., *Asst. For. Supvr.*
F. C. Henneberger, B. S., *Dist. For. Ranger.*

National Forests—Continued.

Arkansas:
Ouachita (hdqrs., Hot Springs National Park):
F. W. Rasor, B. S., *Asst. For. Supvr.*
H. B. Bosworth, M. F., *Asst. For.*
Z. B. Byrd, B. S., *Asst. For.*
M. Bigley, B. S., *Dist. For. Ranger.*
G. H. Griswold, B. S., *Dist. For. Ranger.*
N. F. Rogers, B. S., *Dist. For. Ranger.*
V. E. Taylor, B. S., *Dist. For. Ranger.*
Ozark (hdqrs., Russellville):
H. R. Koen, *For. Supvr.*
J. L. Averill, Ph. D., *Asst. For. Supvr.*
L. G. Whipple, B. S., *Asst. For.*
J. S. Long, M. F., *Chief of Party.*
L. O. Barrett, B. S., *Dist. For. Ranger.*
L. S. Settel, B. S., *Jr. For.*

Florida:
Florida (hdqrs., Tallahassee):
F. A. Albert, B. S., *For. Supvr.*
A. K. Thurmond, B. S., *Dist. For. Ranger.*
W. B. Wheelis, M. F., *Jr. For.*
H. E. Howard, B. S., *Dist. For. Ranger.*
J. T. McCullough, B. S., *Dist. For. Ranger.*
D. J. Morriss, B. S., *Jr. For.*
H. A. Snyder, B. S., *Dist. For. Ranger.*

Louisiana:
Kisatchie (hdqrs., Alexandria):
A. W. Hartman, B. S., *For. Supvr.*
H. S. Redding, B. S., *Asst. For. Supvr.*
L. E. Fitch, B. S., *Jr. For.*

Mississippi:
DeSoto (hdqrs. Jackson):
R. M. Conarro, *For. Supvr.*
C. Melichar, M. F., *Asst. For. Supvr.*
F. W. Bennett, M. F., *Dist. For. Ranger.*
M. T. Brown, M. F., *Dist. For. Ranger.*
H. A. Carter, B. S., *Dist. For. Ranger.*
A. K. Dexter, B. S., *Dist. For. Ranger.*
G. K. Stephenson, M. F., *Dist. For. Ranger.*
W. L. Shetter, B. S., *Jr. For.*

North Carolina:
Nantahala (hdqrs. Franklin):
Philip H. Bryan, B. S., *For. Supvr.*
H. G. Knoch, B. S., *Asst. For. Supvr.*
W. L. Keene, B. S., *Chief of Party.*
John Wasilik, M. F., *Asst. For.*
J. L. Bernier, M. F., *Dist. For. Ranger.*
Pisgah (hdqrs. Asheville):
J. H. Stone, M. F., *For. Supvr.*
A. R. Kinney, B. S., *Chief Land Exam.*
E. E. Ripper, B. S., *Jr. For.*
K. D. Henze, B. S., *Chief of Party.*
W. C. Branch, M. F., *Dist. For. Ranger.*
S. J. Johnson, B. S., *Dist. For. Ranger.*
G. C. Hoffman, B. S., *Dist. For. Ranger.*

South Carolina:
Sumter (hdqrs. Charleston):
H. M. Sears, B. S., *For. Supvr.*
R. N. McKinley, B. S., *Asst. For. Supvr.*
M. B. Ricker, B. S., *Chief of Party.*
Wm. P. David, B. S., *Dist. For. Ranger.*
D. E. Manges, M. F., *Jr. For.*

Tennessee:
Cherokee (hdqrs. Cleveland):
D. E. Clark, B. S., *For. Supvr.*
J. W. Cooper, B. S., *Dist. For. Ranger.*
R. V. Miles, B. S., *Dist. For. Ranger.*
J. W. Squires, B. S., *Dist. For. Ranger.*

Texas:
Sam Houston (hdqrs. Houston):
L. L. Bishop, B. S., *For. Supvr.*
Wm. R. Paddock, B. S., *Asst. For. Supvr.*
Wm. H. Fischer, B. S., *Chief of Party.*
R. L. Chipman, B. S., *Dist. For. Ranger.*
H. A. Howell, M. F., *Dist. For. Ranger.*
Donald Young, M. F., *Dist. For. Ranger.*

REGION 9—NORTH CENTRAL REGION

Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, North Dakota, Ohio, Wisconsin (hdqrs., Milwaukee, Wisconsin).
Earl W. Tinker, B. S., M. F., *Reg. For.*

Operation:
Arthur G. Nord., *Asst. Reg. For.*
Fred Schoder, *Jr. Admin. Off.*
Manly Thompson, LL. B., *Reg. Law Off.*

Timber Management:

H. Basil Wales, B. S. F., M. F., *Asst. Reg. For.*
Gunnar K. Fenger, B. F. S., *Insp.*
G. Willard Jones, B. S. F., *For.*
Earl C. Sanford, B. S., *Reg. For. Insp.*
Joseph A. Donery, *Sr. Log. Engin.*

Recreation and Lands:

William J. Stahl, B. S., M. S. F., *For.*
Axel G. Lindh, B. S., *For. Land Appraiser.*
Harold P. McConnell, *Sr. For.*

Engineering:

Holland Coleman, *Reg. Engin.*
Clyde T. Sullivan, *Asst. Engin.*

Public Relations:

Scott Leavitt, *Asst. Reg. For.*

Fiscal Control:

Shelley E. Schoonover, *Reg. Fiscal Agt.*
Robert J. Albers, *Dep. Reg. Fiscal Agt.*

Timberland Cooperation:

S. D. Anderson, B. S. F., *Assoc. For.*
W. L. Barker, Jr., B. S. F., *Assoc. For.*
Calvin B. Stott, B. S. F., *Assoc. For.*

States Relations:

Albin G. Hamel, B. S. F., *Asst. Reg. For.*
E. Murray Bruner, B. S., M. A., M. F., *Sr. Dist. For. Insp.*

National Forests and Purchase Units:

Illinois:
Illinois Purchase Units (hdqrs., Harrisburg).
Clarence E. Knutson, B. S. F., *For. Supvr.*
Favre L. Eaton, *Asst. For. Supvr.*
John O. Wernham, B. S. F., M. F., *Prin. For. Ranger.*

Indiana:
Indiana Purchase Units (hdqrs., Indianapolis).
H. Phil Brandner, B. S. F., *For. Supvr.*
Gerald S. Horton, B. S. F., M. F., *Asst. For. Supvr.*

Iowa:
Iowa Purchase Units (hdqrs., Des Moines).
David A. Arrivee, B. S., *For. Supvr.*
Ray C. Iverson, B. S. F., *Asst. For. Supvr.*

Michigan:
Huron National Forest (hdqrs., East Tawas).
Warren T. Murphy, B. S., M. F., *For. Supvr.*
Harry C. Turner, B. S., *Asst. For.*
Louis C. Hermel, B. S. F., *Dist. For. Ranger.*
Manistee Purchase Units (hdqrs., Muskegon).
Allen F. Miller, B. S. F., *For. Supvr.*
Alve Lynn Richey, B. S. F., *Asst. For. Supvr.*
Howard Cook, B. S. F., *Asst. For.*
Thomas Lotti, B. S. F., *Assoc. For.*
Ottawa National Forest (hdqrs., Ironwood).
Leslie S. Bean, B. S. F., *For. Supvr.*
Clare W. Hendee, B. S. F., *Asst. For. Supvr.*
George A. Turney, B. S. F., M. F., *Dist. For. Ranger.*
Upper Michigan National Forests (hdqrs., Escanaba).
Russell B. McKennan, B. S. F., *For. Supvr.*
Frank R. Crow, B. S., *Asst. For. Supvr.*
R. O. Sowash, B. S. F., *Assoc. For.*
Floyd T. Roberts, B. S. F., *Dist. For. Ranger.*
Harold G. Peterson, B. S. F., *Jr. For.*
Edward C. DeGraff, B. S. F., *Prin. For. Ranger.*
Ralph H. Ahlskog, B. S. F., *Sr. For. Ranger.*

Minnesota:
Chippewa National Forest (hdqrs., Cass Lake).
James M. Walley, B. S. F., *For. Supvr.*
C. Lewis Harrison, B. S., M. S., *Asst. For. Supvr.*

National Forests and Purchase Units—Contd.

Minnesota—Continued.
Chippewa National Forest—Continued.
E. D. Clifford, B. S., M. S., *Assoc. For.*
James E. Coleman, B. S. F., *Dist. For. Ranger.*
Paul J. St. Amant, B. S. F., *Dist. For. Ranger.*
Superior National Forest (hdqrs., Duluth).
R. U. Harmon, B. S. F., *For. Supvr.*
Ralph E. Crowell, *Asst. For. Supvr.*
Charles A. Gregory, B. S. F., *Dist. For. Ranger.*
Gordon D. Fox, B. S. F., *Dist. For. Ranger.*
J. Kenneth Adams, B. S. F., *Asst. For.*
Hugo L. Sundling, B. S. F., M. F., *Asso. For.*
Arthur E. Schneider, B. S. F., *Dist. For. Ranger.*
Donald G. Schaal, B. S. F., *Sr. For. Ranger.*

Missouri:
Clark Purchase Units (hdqrs., St. Louis).
Paul D. Kelleter, *For. Supvr.*
Owen B. Hurley, B. S. F., *Dist. For. Ranger.*
Ray W. Knudson, B. S. F., *Asst. For. Ranger.*
Ed. N. Lee, B. S. F., *Dist. For. Ranger.*
G. A. Limstrom, B. S. F., *Sr. For. Ranger.*
Robert F. Collins, B. S. F., *Dist. For. Ranger.*
Lawrence P. Neff., B. S. F., *Dist. For. Ranger.*
Gardner Purchase Units (hdqrs., Springfield).
Galen W. Pike, B. S. F., M. F., *For. Supvr.*
George D. Ferrari, B. S. F., *Asst. For. Supvr.*

Ohio:
Ohio Purchase Units (hdqrs., Columbus).
Byron L. Groesbeck, B. S. F., *For. Supvr.*
Dan E. Bulfer, B. S., *Asst. For. Supvr.*

North Dakota:
North Dakota Purchase Units (hdqrs., Bismarck).
Arlie W. Toole, B. S. F., *Asst. For. Supvr.*

Wisconsin:
Chequamegon National Forest (hdqrs., Park Falls).
C. L. VanGiesen, B. S., M. F., *For. Supvr.*
Donald R. Ball, B. S. F., *Asst. For. Supvr.*
D. H. Isch, B. S. F., *Asst. For.*
John T. Horner, B. S. F., *Asst. For.*
Marvin L. Smith, B. S. F., *Asst. For.*
Luther B. Burkett, B. S. F., *Dist. For. Ranger.*
Nicolet National Forest (hdqrs., Rhinelander):
Paul A. Wohlen, Univ. of Christian, Norway, *For. Supvr.*
Paul S. Newcomb, B. S. F., M. F., *Asst. For. Supvr.*
Rene LaRocque, B. S. F., *Sr. For. Ranger.*
Vernon C. Sheffield, B. S. F., M. F., *Asst. For.*

REGION 10—ALASKA REGION

Alaska (hdqrs., Juneau);

Chas. H. Flory, B. S., *Reg. For.*

Operation:

Wellman Holbrook, *Asst. Reg. For.*
Chas. G. Burdick, *Insp.*

Timber Management:

Chas. H. Forward, B. S. F., *Insp.*
J. P. Williams, *For. Exam., Jr. Admin. Asst.*

Recreation and Lands:

Wellman Holbrook, *Asst. Reg. For.*
Chas. G. Burdick, *Admin. Asst., Jr. Admin. Asst.*

Engineering:

Wellman Holbrook, *Asst. Reg. For.*

Fiscal Control:

H. L. Redlingshafer, *Reg. Fiscal Agt.*
L. E. Iversen, *Prin. Clerk.*

GRAIN FUTURES ADMINISTRATION

J. W. T. Duvel, D. Sc., *Chief.*
Joseph M. Mehl, LL. M., *Asst. Chief.*
Theo. D. Hammatt, B. A., *Sr. Mkt. Spec.*
Rodger R. Kauffman, LL. B., *Asst. Chief Inv.*
Albert Strack, *Admin. Asst.*

Grain Exchange Supervision:

California—Sacramento:
L. M. Jeffers, B. S., *Supvr. in charge.*
Illinois—Chicago:
Leslie A. Fitz, B. S., *Prin. Grain Exchange Supvr., in charge.*
Chas. M. Fritz, M. S., *Sr. Grain Exchange Supvr.*
Paul Mehl, M. S., *Sr. Agr. Econ.*
Harold S. Irwin, M. S., *Agr. Econ.*
Douglas B. Bagnell, C. P. A., *Asst. Chief Acct.*
Arthur W. Mayo, C. P. A., *Prin. Acct.*
Richard F. Shortell, C. P. A., *Prin. Acct.*
Harrison M. Hoyt, LL. B., *Asst. Acct.*
Michael M. Thul, *Jr. Supvr.*
Margaret Crook*, *Head Clerk.*

Grain Exchange Supervision—Continued.

Minnesota—Minneapolis:
Jewett R. Mathewson, *Sr. Grain Exchange Supvr., in charge.*
Joseph B. Withers, C. P. A., *Prin. Acct.*
Missouri—Kansas City:
Wm. F. Logan, *Sr. Grain Exchange Supvr., in charge.*
Harold I. Hollister, M. S., *Asst. Mkt. Spec.*
New York—New York:
Geo. H. Baston, A. B., *Sr. Grain Exchange Supvr., in charge.*
Roy C. Fischer, C. P. A., *Prin. Acct.*
Washington—Seattle:
L. E. Wolf, B. S. A., *Assoc. Mkt. Spec., in charge.*

BUREAU OF HOME ECONOMICS

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Mamie F. Nystrom,* B. S., *Jr. Libr., in charge of Libr.*
Lennah Curtiss Zens,* B. A., *Jr. Admin. Asst.*

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Ruth Van Deman, M. A., *Spec. in Home Economics, in charge.*
Ethel M. Smith, *Asst. Ed.*

Economics Division:

Hildegarde Kneeland, M. A., Ph. D., *Prin. Home Econ., in charge.*
Day Monroe, M. A., Ph. D., *Sr. Home Econ.*
Hazel K. Stiebeling, M. A., Ph. D., *Sr. Home Econ.*
Rowena Schmidt Carpenter,* B. S., M. A., *Assoc. Spec. in Child Nutr.*
Medora Ward, B. S., M. A., *Asst. Home Econ.*
Marian A. Wayave, M. A., *Asst. Home Econ.*
Helen L. C. Connolly, M. A., *Jr. Home Econ.*
Ruth R. Moore, B. S., *Jr. Home Econ.*
Margery L. Gray, * B. S., *Asst. Sci. Aid (dietary studies).*

Foods and Nutrition Division:

Hazel E. Munsell, M. A., Ph. D., *Sr. Nutr. Chem., in charge Nutr. Sec.*
Florance B. King, M. A., Ph. D., *Spec. in Foods, in charge Food Utilization Sec.*
Charlotte E. Chatfield, B. S., *Spec. in Foods and Nutr., in charge Food Composition Sec.*
Georgian Adams, M. A., D. Sc., *Assoc. Food Chem.*
Lucy M. Alexander, B. A., B. S., *Assoc Spec. in Foods.*
Esther P. Daniel,* M. S., *Assoc. Nutr. Chem.*
Rosemary Loughlin, B. A., M. S., *Assoc. Spec. in Foods.*

Foods and Nutrition Division—Continued.

Mabel C. Stienbarger, B. S., M. A., *Assoc. Spec. in Foods.*
Dorothy E. Williams, M. A., Ph. D., *Asst. Chem.*
Elizabeth F. Whiteman,* B. A., *Jr. Spec. in Foods.*
Fanny W. Yeatman,* *Jr. Spec. in Foods.*
Adelle B. Freeman,* B. S., *Asst. Sci. Aid.*
Mary H. Kennedy, B. A., *Asst. Sci. Aid (Nutr. Chem.).*
Lydia K. Putney,* *Jr. Sci. Helper.*
Marjorie B. Rutherford,* B. S., *Under Sci. Helper.*
Ellen J. Kingsley, B. A., *Under Sci. Helper.*

Textiles and Clothing Division:

Ruth O'Brien, B. S., M. A., LL.B., *Sr. Textile Chem., in charge.*
Ruth Elmquist, M. S., Ph. D., *Assoc. Textile Chem.*
Margaret S. Furry, M. S., *Asst. Textile Chem.*
Margaret B. Hays, B. A., M. S. *Assoc. Phys.*
Clarice L. Scott, M. S., *Asst. Spec. in Clothing.*
Bess M. Viemont, M. S., *Asst. Spec. in Textiles.*
Margaret Smith, B. S., *Jr. Spec. in Clothing.*
James H. Kettering, B. S., *Jr. Chem.*
Jean A. Hamilton, B. S., *Assoc. scientific aid.*

Household Equipment Division:

Louise Stanley, M. A., Ph. D., *Acting Chief.*
Mildred B. Porter, B. A., M. A., *Assoc. Phys.*
Helen S. Holbrook, B. A., *Household Equipment Spec.*
Samuel C. Clark, B. S., M. A., *Asst. Phys.*

BUREAU OF PLANT INDUSTRY

Frederick D. Richey, B. S., *Chief.*
Eugene C. Auchter, M. S., Ph. D., *Asst. Chief.*
M. A. McCall, M. S., Ph. D., *Asst. Chief.*
H. E. Allanson, B. S., *Bus. Mgr.*

OFFICE OF CHIEF OF BUREAU

Business and Personnel:

F. E. Meloy, *Sr. Admin. Asst.*
W. E. Taylor, *Chief Clerk.*
W. P. Cox, *Asst. in charge of Accounts.*
G. B. Holmes, *Asst. in charge of Property.*
Sarah M. McInteer, *Personnel Clerk.*
Evalene R. O'Brien, *Estimates and Reports.*

Library:

Jessie M. Allen, *Asst. Libr., in charge.*
Alice C. Atwood, A. B., *Asst. Libr.*
Ruth D. Forbes, B. S., *Jr. Libr.*
Janice S. Brown, A. B., B. L. S., *Jr. Libr.*
Mary E. Grinnell, A. B., B. L. S., *Jr. Libr.*
Elizabeth R. Pendleton, A. B., *Jr. Libr. Asst.*

Publications:
James M. Pickens, *Ed., in charge.*
Edwina V. A. Avery,* LL. M., M. P. L., *Asst. Ed.*
Rose A. Palmer, A. B., *Asst. Ed.*

ARLINGTON EXPERIMENT FARM, ROSSLYN, VA.

E. C. Butterfield, B. S., *Sr. Hort. and Supt., in charge.*
J. H. Criswell, B. S., *Assoc. Hort., Asst. Supt.*
Joseph L. Rhodes, *Prin. Sci. Aid.*
August Mayer, *Sr. Gardener, in charge of greenhouses.*

DIVISION OF CEREAL CROPS AND DISEASES

M. A. McCall, M. S., Ph. D., *Prin. Agron., in charge, and Asst. Chief of Bureau.*

Wheat:
S. Cecil Salmon, M. S., Ph. D., *Prin. Agron.*
Aaron G. Johnson, M. S., Ph. D., *Prin. Path.*
J. Allen Clark, M. S., *Sr. Agron.*
Karl S. Quisenberry, M. S., Ph. D., *Agron.*
Herman A. Rodenhiser, M. S., Ph. D., *Path.*
Burton B. Bayles, M. S., *Assoc. Agron.*
Colburn C. Fifield, B. A., *Assoc. Bak. Tech.*
Annie M. Hurd Karrer,* M. S., Ph. D., *Assoc. Physiol.*
Charles E. Bode, M. S., *Jr. Technol.*
Aline F. Kempton,* A. B., *Jr. Path.*
Sidney R. Snider, B. S., *Jr. Chem.*
Clarence G. Colcord. *Sci. Aid.*

Oats:
T. Ray Stanton, M. S., *Sr. Agron.*
Harry B. Humphrey, B. S., Ph. D., *Prin. Path.*
Franklin A. Coffman, M. S., *Assoc. Agron.*

Barley:
Harry V. Harlan, M. S., D. Sc., *Prin. Agron.*
Merritt N. Pope, B. S., A. M., Ph. D., *Agron.*
Mary L. Martini, B. S., *Asst. Bot.*
Lucille Reinbach, B. A., *Jr. Agr. Stat.*

Rice Production and Improvement:
Jenkin W. Jones, M. S., *Sr. Agron.*

Rice Technology:
Charles E. Chambliss, M. S., *Assoc. Agron.*

Corn:
Frederick D. Richey, B. S., *Research Assoc.*
Merle T. Jenkins, M. S., Ph. D., *Prin. Agron.*
Neil E. Stevens, A. M., Ph. D., *Sr. Path.*
Curtis H. Kyle, B. S., *Sr. Agron.*
Charlotte Elliott, A. M., Ph. D., *Assoc. Path.*

Sorghums and Broomcorn:
John H. Martin, M. S., Ph. D., *Sr. Agron.*

Seed Flax:
Arthur C. Dillman, M. S., *Assoc. Agron.*

Weeds:
Leonard W. Kephart, B. S., *Sr. Agron.*

FIELD HEADQUARTERS (COOP.):
Arizona—Tucson:
Arthur T. Bartel, M. S., *Asst. Agron. (wheat and sorghum prod., breeding, and physiol.)*
Arkansas:
Fayetteville:
Edgar C. Tullis, M. A., Ph. D., *Path. (rice diseases).*
Stuttgart:
C. Roy Adair, M. S., *Jr. Agron. (rice prod. and breeding).*
California:
Berkeley:
Ruth F. Allen, M. A., Ph. D., *Path. (wheat, oat, and flax rusts).*
Biggs:
Loren L. Davis, M. S., *Asst. Agron. and Supt. (rice prod. and breeding).*
Davis:
Gustav A. Wiebe, M. S., Ph. D., *Asst. Agron. (barley, wheat, and oat prod., breeding, and genetics).*
Colorado—Akron:
John J. Curtis, B. S., *Jr. Agron. (wheat, oat, millet, sorghum, and corn prod. and breeding).*

FIELD HEADQUARTERS—Continued.
Georgia—Tifton:
Harry S. Garrison, B. S., *Asst. Agron. (corn breeding).*
Idaho:
Aberdeen:
Harland Stevens, B. S., *Asst. Agron. (barley, oat, and wheat prod. and breeding).*
Moscow:
Wayne M. Bever, M. S., *Jr. Path. (wheat, rye, and barley stripe rust; wheat smut).*
Illinois—Bloomington:
James R. Holbert, M. S., Ph. D., *Sr. Agron. (corn breeding, diseases, and physiol.).*
Boyd C. Frye, *Asst. Sci. Aid (corn breeding, diseases, and physiol.).*
Indiana—La Fayette:
John F. Trost, M. S., *Assoc. Path. (corn diseases).*
Ralph R. St. John, M. S., *Assoc. Agron. (corn prod. and breeding, root studies).*
Glenn M. Smith, M. S., *Asst. Path. (sweet-corn diseases and breeding).*
Ralph M. Caldwell, M. S., Ph. D., *Assoc. Path. (wheat, rye, barley, and corn leaf rusts).*
Leroy E. Compton, M. S., *Asst. Path. (wheat, rye, barley, and corn leaf rusts).*
Iowa—Ames:
Arthur A. Bryan, M. S., Ph. D., *Agron. (corn prod., breeding, and genetics).*
Marcus M. Rhoades, M. S., Ph. D., *Assoc. Genet. (corn prod., breeding, and genetics).*
Robert W. Jugenheimer, B. S., *Agt. (corn breeding).*
Hickman C. Murphy, M. S., Ph. D., *Asst. Path. (oat crown rust).*
Lyman C. Burnett, M. S., *Agt. (oat, wheat, barley, and flax prod. and breeding).*
Kansas:
Hays:
Arthur F. Swanson, M. S., *Assoc. Agron. (wheat, oat, barley, and sorghum prod. and breeding).*
Manhattan:
Arthur M. Brunson, M. S., Ph. D., *Agron. (corn prod., breeding, and genetics; popcorn).*
John H. Parker, M. S., Ph. D., *Agron. (wheat, oat, barley, and sorghum breeding and genetics).*
Hurley, Fellows, M. S., Ph. D., *Assoc. Path. (wheat foot rots).*
Christian H. Ficke, M. S., *Jr. Path. (wheat foot rots).*
Charles O. Johnston, M. S., *Assoc. Path. (wheat, rye, barley, and corn leaf rusts).*
F. Leonard Timmons, M. S., *Agt. (noxious weed research).*
Louisiana:
Baton Rouge:
Hugo F. Stoneberg, M. S., *Asst. Agron. (corn prod. and breeding).*
Crowley:
J. Mitchell Jenkins, B. S., *Assoc. Agron. and Supt. (rice prod. and breeding).*
Nelson E. Jodon, M. S., *Jr. Agron. (rice prod., breeding, genetics, and diseases).*
Minnesota—St. Paul:
Moses N. Levine, M. S., Ph. D., *Path. (wheat, rye, oat, and barley stem rust).*
Elmer R. Ausemus, M. S., Ph. D., *Assoc. Agron. (wheat breeding and disease resistance).*
Rayburn H. Bamberg, M. S., Ph. D., *Agt. (wheat diseases).*
Missouri:
Columbia:
Lewis J. Stadler, B. S., A. M., Ph. D., *Sr. Genet. (corn breeding and genetics).*
George F. Sprague, M. S., Ph. D., *Assoc. Agron. (corn breeding and genetics).*
Elsberry:
Bascom M. King. B. S., A. M., *Agt. (rice prod.).*
Montana—Moccasin:
Joe L. Sutherland, M. S., *Jr. Agron. (wheat, oat, barley, and flax prod. and breeding).*
Nebraska—Lincoln:
Coit A. Suneson, M. S., *Asst. Agron. (wheat prod., breeding, and physiology).*

FIELD HEADQUARTERS—Continued.
New York—Ithaca:
Lowell F. Randolph, Ph. D., *Assoc. Cytol.* (*corn cytol., histology, and morphology*).
William T. Craig, *Agt.* (*wheat, oat, and barley prod. and breeding*).
North Dakota:
Dickinson:
Ralph W. Smith, M. S., *Assoc. Agron.* (*wheat, oat, barley, flax, and corn prod. and breeding*).
Fargo:
Harold H. Flor, M. S., Ph. D., *Assoc. Path.* (*flax diseases*).
Glenn S. Smith, M. S., *Asst. Agron.* (*wheat breeding and genetics*).
Mandan:
John C. Brinsmade, Jr., A. B., *Asst. Agron.* (*flax prod., breeding, and disease resistance*).
Ohio—Wooster:
Jasper D. Sayre, M. A., Ph. D., *Physiol.* (*corn physiol.*).
Vincent H. Morris, M. A., Ph. D., *Agt.* (*corn physiol.*).
Glen H. Stringfield, M. S., *Agt.* (*corn prod. and breeding*).
Oklahoma:
Lawton:
Ralph O. Snelling, M. S., *Asst. Agron.* (*sorghum prod. and breeding*).
Woodward:
John B. Sieglinger, M. S., *Agron.* (*sorghum and broomcorn prod., breeding, and genetics*).
Vincent C. Hubbard, M. A., *Jr. Agron.* (*wheat prod. and breeding*).
Oregon:
Corvallis:
Roderick Sprague, M. S., Ph. D., *Asst. Path.* (*wheat foot rots and bunt*).
Moro:
David E. Stephens, B. S., *Sr. Agron. and Supt.* (*wheat, oat, and barley prod. and breeding*).
Robert B. Hoskinson, *Sr. Agr. Aid* (*wheat, oat, and barley prod.*).
Pendleton:
J. Foster Martin, M. S., *Jr. Agron.* (*wheat, oat, and barley prod. and breeding*).
Tennessee—Knoxville:
Ludwig S. Mayer, M. S., *Asst. Agron.* (*corn prod. and breeding*).
Texas:
Beaumont:
Henry M. Beachell, M. S., *Asst. Agron.* (*rice prod. and breeding*).
Chillicothe:
Joseph C. Stephens, M. S., *Asst. Agron.* (*sorghum prod., breeding, and genetics*).
College Station:
E. S. McFadden, B. S., *Assoc. Agron.* (*wheat breeding*).
Denton:
Irvin M. Atkins, B. S., *Asst. Agron.* (*wheat and oat prod. and breeding*).
Utah—Logan:
Rollo W. Woodward, M. S., *Jr. Agron.* (*wheat, oat, barley, and sorghum prod. and breeding*).
Virginia—Rosslyn (Arlington Exp. Farm):
Harold H. McKinney, M. S., *Sr. Path.* (*wheat and corn virus diseases*).
Lytton W. Boyle, M. S., Ph. D., *Asst. Path.* (*wheat and corn virus diseases*).
Robert W. Leukel, M. S., *Assoc. Path.* (*sorghum and misc. cereal diseases*).
William J. Sando, M. S., *Assoc. Agron.* (*wheat breeding and genetics*).
Victor F. Tapke, B. S., Ph. D., *Path.* (*barley and misc. cereal smuts*).
John W. Taylor, M. S., *Assoc. Agron.* (*wheat, oat, and barley prod., breeding, and genetics*).
Lonnie M. Starr, M. S., *Asst. Sci. Aid.*
Washington—Pullman:
Edward F. Gaines, M. S., Sc. D., *Agt.* (*wheat and oat breeding*).
Charles S. Holton, M. S., Ph. D., *Assoc. Path.* (*wheat and oat smuts*).
Orville A. Vogel, M. S., *Asst. Agron.* (*wheat prod. and breeding*).

FIELD HEADQUARTERS—Continued.
Wisconsin—Madison:
James G. Dickson, M. S., Ph. D., *Agt.* (*barley diseases*).
Allan D. Dickson, B. S., Ph. D., *Agt.* (*barley malting studies*).
Paul E. Hoppe, B. S., *Assoc. Path.* (*corn diseases*).
Ruebush G. Shands, M. S., Ph. D., *Assoc. Agron.* (*barley and wheat breeding*).
Helen Johann, M. A., *Assoc. Path.* (*corn and wheat diseases*).

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

H. W. Barre, B. S., A. M., *Prin. Path., in charge.*
C. B. Doyle, *Prin. Agron.*
T. H. Kearney, LL. D., *Prin. Physiol.* (*cotton breeding, genetics, and improvement; Egyptian cotton breeding*).
J. O. Ware, M. S., Ph. D., *Sr. Agron.* (*cotton breeding, genetics, and improvement*).
Otis A. Pope, M. S., Ph. D., *Assoc. Agron.* (*cotton breeding, genetics, and improvement.*
L. H. Dewey, B. S., *Collab.* (*fibers other than cotton*).
H. T. Edwards, B. S., *Sr. Technol.* (*fibers other than cotton*).
Isabelle T. Farnum, *Jr. Libr. Asst.*
Clarence S. Britt, A. B., *Jr. Sci. Aid.*
Alvin Caldwell, B. S., *Jr. Sci. Aid.*
Arthur A. Dallas, B. S., *Jr. Sci. Aid.*
Kenton L. Harris, *Jr. Sci. Aid.*
Alice Robert, M. S., *Jr. Sci. Aid.*
Benjamin Tabenkin, B. S., *Jr. Sci. Aid.*
Orville C. Woodyard, A. B., M. S., *Jr. Sci. Aid.*

FIELD STATIONS:
Arizona—Sacaton (U. S. Field Sta.) (*cotton prod. improvement, and diseases*):
C. J. King, B. S., *Agron. and Supt.*
T. R. Richmond, B. S., *Asst. Agron.*
H. J. Fulton, B. S., *Asst. Agron.* (*Egyptian cotton breeding*).
R. E. Beckett, *Prin. Sci. Aid.*
Carl A. Moosberg, *Sci. Aid.*
Orlan Parker, *Asst. Sci. Aid.*
Ernest G. Smith, *Asst. Sci. Aid.* (*Egyptian cotton breeding*).
Alabama—Auburn (Coop. Ala. Polytech. Inst.):
D. G. Sturkie, M. S., Ph. D., *Agt.* (*cotton plant physiology invest.*).
H. B. Tisdale, M. S., *Agt.* (*cotton breeding, genetics, and improvement*).
Arkansas—Fayetteville (Coop. Ark. Agr. Expt. Sta.):
John T. Egan, M. S.; *Sr. Agr. Econ.* (*cotton improvement and community org.*).
California:
Riverside (Rubidoux Lab.):
John M. Webber, M. S., Ph. D., *Assoc. Cytol.* (*cotton breeding, genetics, and improvement*).
Shafter (U. S. Cotton Field Sta.) (*cotton prod., improvement, and diseases*).
George J. Harrison, B. L., *Assoc. Agron. and Supt.*
James W. Hubbard, *Jr. Agron.*
John W. Carter, *Asst. Sci. Aid.*
J. I. Hare, *Asst. Sci. Aid.*
Georgia:
Atlanta:
C. A. McLendon, B. S., *Agron.* (*cotton improvement and community org.*).
Experiment (Coop. Ga. Expt. Sta.):
W. W. Ballard, *Chief Sci. Aid.* (*cotton prod., improvement, and diseases*).
Louisiana—Baton Rouge (Coop. La. Agr. Expt. Sta.):
D. C. Neal, A. M., Ph. D., *Sr. Path.* (*cotton disease invest.*).
J. R. Cotton, *Assoc. Agron.* (*cotton breeding, genetics, and improvement*).
Mississippi:
Jackson:
J. E. Hite, B. S., M. A., *Agron.* (*cotton improvement and community org.*).
Stoneville—U. S. Cotton Field Sta. (Coop. Miss. Agr. Expt. Sta.):

FIELD STATIONS—Continued.
Mississippi—Continued.
Stoneville—Continued.
J. Winston Neely, B. S. A., Ph. D., *Agt.* (*cotton prod., improvement, and diseases*).
J. S. Townsend, *Technol.* (*cotton quality research*).
W. E. Ayres, M. S., *Collab.* (*cotton prod., improvement, and diseases*).
New Mexico—State College (U. S. Cotton Field Sta.) (Coop. N. Mex. Coll. of Agr. and Mech. Arts): (*Cotton prod., improvement, and diseases*).
A. R. Leding, *Chief Sci. Aid.* (*Actg. Supt.*)
L. R. Lytton, *Asst. Sci. Aid.*
North Carolina:
Raleigh (Coop. N. C. Agr. Expt. Sta.):
J. A. Shanklin, M. S., *Asst. Agr. Econ.* (*cotton improvement and community org.*).
P. H. Kime, M. S., M. A., *Assoc. Agron.* (*cotton prod., improvement, and diseases*).
R. Y. Winters, M. S., Ph. D., *Collab.* (*cotton prod., improvement, and diseases*).
Statesville (U. S. Cotton Field Sta., coop. N. C. State College of Agr.—Piedmont Branch Sta.):
J. W. Hendricks, M. S., *Agt. and Supt.* (*cotton prod., improvement, and diseases*).
Oregon—Corvallis (coop. Oreg. State Agr. Coll.):
Brittain B. Robinson, M. S., Ph. D., *Asst. Pl. Breeder* (*fiber flax invest.*).
South Carolina:
Clemson College (coop. S. C. Agr. Expt. Sta.):
J. T. Wigington, B. S., *Assoc. Cotton Technol.* (*cotton quality research*).
W. Harold Smith, M. S., *Jr. Cotton Technol.* (*cotton quality research*).
G. M. Armstrong, B. S., M. A., Ph. D., *Collab.* (*cotton plant physiology invest.*)
Florence (coop. S. C. Agr. Expt. Sta., Pee Dee Expt. Sta.):
W. H. Jenkins, B. S., *Assoc. Agron.* (*sea island cotton breeding and improvement invest.*).
E. E. Hall, M. S., *Agt.* (*cotton prod., improvement, and diseases*).
J. P. Royall, *Asst. Sci. Aid* (*cotton prod., improvement, and diseases*).
Tennessee—Knoxville (U. S. Cotton Field Sta., coop. Tenn. Agr. Expt. Sta.):
D. M. Simpson, B. S., *Assoc. Agron. and Supt.* (*cotton prod., improvement, and diseases*).
Texas—Greenville (U. S. Cotton Field Sta.):
H. C. McNamara, B. S., *Assoc. Agron. and Supt.* (*cotton prod., improvement, and diseases*).
D. R. Hooton, B. S., *Asst. Pomol.* (*cotton prod., improvement, and diseases*).
D. D. Porter, *Asst. Sci. Aid* (*cotton prod., improvement, and diseases*).
R. F. Saunders, *Agron.* (*cotton improvement and community org.*).
Wisconsin—Madison (Coop. Wis. Agr. Expt. Sta.):
A. H. Wright, M. S., *Agt.* (*hemp invest.*).

DIVISION OF DRUG AND RELATED PLANTS

W. W. Stockberger, Ph. D., *Prin. Physiol., in charge.*

Drug, Poisonous, Insecticide, Oil, and Related Plants:

Arthur F. Sievers, Pharm. G., B. S., *Sr. Biochem.*
Frank Rabak, Pharm. G., B. S., *Assoc. Biochem.*
Morris S. Lowman, B. A., *Asst. Biochem.*
James W. Kelly, Phar. D., *Jr. Biochem.*
FIELD HEADQUARTERS:
Texas—College Station:
G. A. Russell, Pharm. G., B. S., *Agt.* (*Coop. Tex. Agr. Expt. Sta.*).

Hop Disease Investigations:

FIELD HEADQUARTERS:
Oregon—Corvallis:
G. R. Hoerner, M. S., *Agt.* (*Coop. Oreg. Agr. Expt. Sta.*).
D. C. Smith, M. S., Ph. D., *Agt.* (*Coop. Oreg. Agr. Expt. Sta.*).

DIVISION OF DRY LAND AGRICULTURE

Clyde E. Leighty, Ph. D., *Prin. Agron., in charge.*
John S. Cole, B. S., *Sr. Agron.*
NORTHERN FIELD STATIONS (hdqrs., Mandan, N. Dak.):
John M. Stephens, B. S., *Prin. Agr. and Supvr., Northern Group.*
Colorado—Akron:
Joseph F. Brandon, B. S., *Assoc. Agron., Supt.*
Montana:
Havre (Coop. Mont. Agr. Expt. Sta.):
George W. Morgan, B. S., *Assoc. Agron., Supt.*
Huntley (Coop. Mont. Agr. Expt. Sta.):
Arthur E. Seamans, B. S., *Assoc. Agron.*
Moccasin (Coop. Mont. Agr. Expt. Sta.):
John E. Norton, M. S., *Agt. Supt.*
Nebraska—North Platte (Coop. Nebr. Agr. Expt. Sta):
Leslie L. Zook, B. S., *Assoc. Agron., Supt.*
Harry E. Weakly, M. S., *Jr. Agron.*
North Dakota:
Dickinson (Coop. N. Dak. Agr. Expt. Sta.):
Leroy Moomaw, B. S., *Assoc. Agron., Supt.*
Mandan (hdqrs. of Supvr., Northern group) (Coop. N. Dak. Agr. Expt. Sta.):
William P. Baird, B. S., *Assoc. Hort.*
Johnson T. Sarvis, M. S., *Assoc. Agron.*
John C. Thysell, B. S., *Assoc. Agron.*
Ernest J. George, B. S., *Asst. Sil.*
Thomas K. Killand, B. S., *Prin. Sci. Aid.*
Oregon—Pendleton (Coop. Oreg. Agr. Expt. Sta.):
George A. Mitchell, B. S., *Asst. Agron.*
Merrill M. Oveson, M. S., *Agt.*
South Dakota—Newell:
Albert Osenbrug, B. S., *Assoc. Agron.*
Wyoming:
Archer (Coop. Wyo. Agr. Expt. Sta.):
August L. Nelson, M. S., *Assoc. Agron., Supt.*
Sheridan (Coop. Wyo. Agr. Expt. Sta.):
Ray S. Towle, B. S., *Assoc. Agron., Supt.*
Ralph M. Williams, B. S., *Jr. Agron.*
SOUTHERN FIELD STATIONS (hdqrs., Woodward, Okla.):
Ellery F. Chilcott, B. S., *Sr. Agr. and Supvr., Southern group.*
Kansas:
Colby (Coop. Kans. Agr. Expt. Sta.):
Embert H. Coles, B. S., *Assoc. Agron., Supt.*
Joseph B. Kuska, B. S., *Assoc. Agron.*
Garden City (Coop. Kans. Agr. Expt. Sta.):
Lindsey A. Brown, Ph. D., *Agt.*
Hays (Coop. Kans. Agr. Expt. Sta.):
Alanson L. Hallsted, B. S., *Assoc. Agron.*
New Mexico—Tucumcari (Coop. N. Mex. Agr. Expt. Sta.):
Donald R. Burnham, B. S., *Assoc. Agron., Supt.*
Oklahoma:
Lawton:
Walter M. Osborn, B. S., *Assoc. Agron., Supt.*
Woodward (hdqrs. of supvr., Southern group) (Coop. Okla. Agr. Expt. Sta.):
Oscar R. Mathews, M. S., *Assoc. Agron.*
Lowell F. Locke, B. S., *Assoc. Hort.*
Ernest W. Johnson, B. S., *Agt.*
Ivan A. Lucas, *Agt.*
Texas:
Big Spring:
Fred E. Keating, B. S., *Assoc. Agron., Supt.*
Dalhart:
Benjamin F. Barnes, B. S., *Assoc. Agron., Supt.*

EXPERIMENTAL GREENHOUSES

J. Wise Byrnes, *Asst. in charge.*

DIVISION OF FORAGE CROPS AND DISEASES

P. V. Cardon, M. S., *Prin. Agron., in charge.*

Alfalfa, Silage, and Root Crops

Harvey L. Westover, B. S., *Sr. Agron.*

Clovers:
Eugene A. Hollowell, M. S., Ph. D., *Sr. Agron.*
Soybean, Cowpea, and Velvetbeans:
William J. Morse, B. S., *Sr. Agron.*
Acid-Tolerant Legumes:
Adrian J. Pieters, Ph. D., *Prin. Agron.*
Roland McKee, B. S., *Sr. Agron.*
Grasses and Pastures:
P. V. Cardon, M. S., *Prin. Agron.*
Harry N. Vinall, M. S., *Sr. Agron.*
Mason A. Hein, M. S., *Agron.*
Taxonomy of Legumes and Grasses:
Percy L. Ricker, M. S., *Asst. Bot.*
Timothy:
Morgan W. Evans, M. S., *Assoc. Agron.*
Seed Storage and Shipment:
Fred C. Hall, *Sr. Sci. Aid.*

FIELD HEADQUARTERS:
Florida—Gainesville (Coop. Fla. Agr. Expt. Sta.):
George E. Ritchey, M. S., *Assoc. Agron.*
Georgia (Coop. Ga. Expt. Sta.):
Experiment:
James L. Weimer, A. M., Ph. D., *Sr. Path.*
Tifton:
James L. Stephens, B. S., *Agt.*
Iowa—Ames (Coop. Iowa Agr. Expt. Sta.):
F. S. Wilkins, M. S., *Agt.*
Kansas (Coop. Kans. Agr. Expt. Sta.);
Hays:
David A. Savage, B. S., *Asst. Agron.*
Manhattan:
Clarence O. Grandfield, M. S., *Asst. Agron.*
Louisiana—Jeanerette (Coop. La. Agr. Expt. Sta.):
Robert B. Carr, B. S., *Asst. Agron.*
Maryland—Beltsville:
Mason A. Hein, M. S., *Agron.*
Herbert L. Wilkins, B. S., *Asst. Chem.*
Michigan—Augusta (Coop. Mich. Agr. Expt. Sta.):
A. B. Dorrance, M. S., *Asst. Agron.*
Mississippi (Coop. Miss. Agr. Expt. Sta.):
Stoneville:
Paul R. Henson, B. S., *Asst. Agron.*
West Point:
Tyler F. Akers, M. S., *Asst. Agron.*
Missouri—Columbia (Coop. Mo. Agr. Expt. Sta.):
E. Marion Brown, B. S., M. A., *Agt.*
C. A. Helm, A. M., *Agt.*
Nebraska—Lincoln (Coop. Nebr. Agr. Expt. Sta.):
Samuel Garver, B. S., *Assoc. Agron.*
Hewitt M. Tysdal, M. S., Ph. D., *Assoc. Agron.*
North Carolina—Statesville (Coop. N. C. Agr. Expt. Sta.):
R. E. Stitt, M. S., *Asst. Agron.*
Ohio (Coop. Ohio Agr. Expt. Sta.):
Holgate:
David Heusinkveld, M. S., *Asst. Agron.*
Wooster:
Morgan W. Evans, M. S., *Assoc. Agron.*
Oregon—Corvallis (Coop. Oreg. Agr. Expt. Sta.):
Harry A. Schoth, M. S., *Agron.*
Pennsylvania—Kylertown (Coop. Pa. Agr. Expt. Sta.):
S. R. Skaggs, M. S., *Agt.*
South Carolina—Columbia (Coop. S. C. Agr. Expt. Sta.):
William A. Carnes, *Agt.*
Texas—Chillicothe (Coop. Tex. Agr. Expt. Sta.):
J. R. Quinby, *Agt.*
Virginia—Rosslyn (Arlington Experiment Farm):
Jackson L. Cartter, M. S., *Asst. Agron.*
Howard L. Hyland, B. S., *Sr. Sci. Aid.*
Howard W. Johnson, M. S., Ph. D., *Assoc. Path.*
Anselm T. Stone, *Sci. Aid.*
William M. Stuart, Jr., M. S., *Asst. Agron.*
West Virginia—Morgantown (Coop. W. Va. Agr. Expt. Sta.):
Robert R. Robinson. B. S., *Asst. Agron.*
Wisconsin—Madison (Coop. Wis. Agr. Expt. Sta.):
Fred R. Jones, M. S., Ph. D., *Sr. Path.*
Oliver F. Smith, Ph. D., *Agt.*
William K. Smith, Ph. D., *Agt.*

DIVISION OF FOREST PATHOLOGY

Haven Metcalf, M. A., Ph. D., *Prin. Path., in charge.*
R. Kent Beattie, B. S., M. A., *Prin. Path.*
Carl Hartley, M. A., Ph. D., *Prin. Path.*
G. F. Gravatt, M. S., *Sr. Path.*
G. G. Hedgcock, M. A., Ph. D., *Sr. Path.*
Ralph M. Lindgren, M. S., *Path.*
J. D. Diller, M. A., M. F., *Assoc. Path.*
Annie R. Gravatt,* B. A., M. S., *Assoc. Path.*
Ross W. Davidson, M. S., *Asst. Mycol.*
Marvin E. Fowler, M. A., *Asst. Path.*
Ruby J. Acree,* *Jr. Path.*
Russell B. Clapper, *Sr. Sci. Aid.*

FIELD HEADQUARTERS:
California—San Francisco:
E. P. Meinecke, Ph. D., *Prin. Path.*
Willis W. Wagener, B. A., M. S., Ph. D., *Path.*
J. L. Mielke, B. S. F., M. S., *Asst. Path.*
Connecticut—New Haven (Coop. Yale Univ.):
J. S. Boyce, M. F., M. A., Ph. D., *Prin. Path.*
Perley Spaulding, M. S., Ph. D., *Sr. Path.*
Glenn G. Hahn, M. S., Ph. D., *Path.*
Rush P. Marshall, M. S., Ph. D., *Assoc. Path.*
J. R. Hansbrough, Ph. B., M. A., *Asst. Path.*
Alma M. Waterman, M. A., Ph. D., *Asst. Path.*
Theodore T. Ayers, B. S., M. A., Ph. D., *Agt.*
Louisiana—New Orleans:
Paul V. Siggers, M. S., *Assoc. Path.*
George H. Hepting, B. S., Ph. D., *Asst. Path.*
Ira Hatfield, A. B., M. S., *Field Asst.*
Nebraska—Lincoln:
Ernest Wright, B. S. F., M. S., *Assoc. Path.*
New Jersey—Morristown:
Curtis May, M. A., Ph. D., *Sr. Path.*
C. S. Moses, M. S., *Field Asst.*
R. P. True, A. B., Ph. D., *Field Asst.*
New Mexico—Albuquerque:
W. H. Long, M. A., Ph. D., *Sr. Path.*
Lake S. Gill, M. A., Ph. D., *Assoc. Path.*
Bessie E. Futrell,* *Sci. Aid.*
Ohio—Wooster:
Roger U. Swingle, B. A., *Agt.* (*Coop. Ohio Agr. Expt. Sta.*)
Oregon—Portland:
J. L. Bedwell, B. S. F., M. S., Ph. D., *Path.*
J. W. Kimmey, M. F., *Asst. Path.*
Pennsylvania—Philadelphia:
K. D. Doak, M. S., Ph. D., *Asst. Path.*
Lyle W. R. Jackson, M. S., Ph. D., *Asst. Path.*
Washington—Pullman:
G. G. Hedgcock, M. A., Ph. D., *Sr. Path.*
Wisconsin—Madison:
C. Audrey Richards, M. A., Ph. D., *Path.*
Caroline T. Rumbold, B. L., M. A., Dr. oec. publ., Ph. D., *Assoc. Path.*
Mae Spradling, B. S., M. Ph., *Asst. Sci. Aid.*
E. E. Seeliger, *Jr. Sci. Aid.*

DIVISION OF FRUIT AND VEGETABLE CROPS AND DISEASES

Eugene C. Auchter, M. S., Ph. D., *Prin. Hort. in charge, and Asst. Chief of Bureau*
A. F. Woods, A. M., Dr. Agr., D. Sc., LL. D., *Prin. Path.*
H. P. Gould, M. S., *Sr. Pomol.*
W. W. Gilbert, M. S., *Sr. Path.*
W. R. Beattie, M. S., *Sr. Hort.*
H. R. Fulton, M. A., *Prin. Path.*
Magdalene R. Newman, A. B., *Jr. Libr.*

Regional Development of Horticulture Industry:
L. C. Corbett, M. S., Dr. Agr., *Prin. Hort.*

Deciduous Fruit Investigations:
John R. Magness, M. S., Ph. D., *Prin. Pomol.*
FIELD HEADQUARTERS:
Arkansas—Fayetteville (Coop. Ark. Agr. Expt Sta.):
John C. Dunegan, B. S., *Assoc. Path.* (*orchard spraying invest.*).
California:
Davis (Coop. Calif. Agr. Expt. Sta.):
Edward C. Hughes, B. S., *Agt.* (*fruit breeding*).
John R. King, A. B., M. S., Ph. D., *Agt.* (*fruit breeding*).

Deciduous Fruit Investigations—Continued.

FIELD HEADQUARTERS—Continued.

California—Continued.

Fresno:

Elmer Snyder, B. S., *Pomol.* (*grape invest.*).

Frank N. Harmon, B. S., M. A., *Jr. Pomol.* (*grape invest.*).

W. S. Ballard, A. B., *Sr. Path.* (*physiol. fruit disease invest.*).

Palo Alto (Coop. Leland Stanford Jr. Univ.):

William F. Wight, B. S., A. M., *Bot.* (*fruit breeding*).

Lester A. Thompson, *Sr. Agr. Aid* (*fruit breeding*).

Sacramento:

C. F. Kinman, B. S., *Pomol.* (*fruit prod. invest.*).

Georgia—Fort Valley:

Lee M. Hutchins, B. S., Ph. D., *Sr. Path.* (*phony peach invest.*).

John L. Rue, *Sci. Aid* (*phony peach invest.*).

Indiana—Vincennes:

Leslie Pierce, *Prin. Sci. Aid* (*orchard spraying invest.*).

Maryland—Beltsville:

John R. Magness, M. S., Ph. D., *Prin. Pomol.* (*deciduous fruit prod. and disease invest.*).

John W. Roberts, A. M., Ph. D., *Prin. Path.* (*orchard spraying invest.*).

H. F. Bain, B. A., M. S., *Sr. Path.* (*grape and small fruit disease invest.*).

Frank P. Cullinan, B. S., Ph. D., *Sr. Pomol.* (*peach prod. invest.*).

George M. Darrow, A. M., Ph. D., *Sr. Pomol.* (*small fruit prod. invest.*).

Juan B. Demaree, B. S., *Sr. Path.* (*small fruit disease invest.*).

Marion C. Goldsworthy, M. S., Ph. D., *Assoc. Path.* (*fungicides*).

Edmund L. Green, M. S., *Assoc. Biochemist* (*fungicides*).

Louis O. Regeimbal, M. S., Ph. D., *Assoc. Physiol.* (*fruit prod. invest.*).

Elliott S. Degman, B. S., Ph. D., *Asst. Pomol.* (*fruit prod. invest.*).

Lewis A. Fletcher, M. S., Ph. D., *Asst. Pomol.* (*fruit prod. invest.*).

John H. Weinberger, B. S., Ph. D., *Asst. Pomol.* (*peach prod. invest.*).

I. W. Dix, *Prin. Sci. Aid* (*grape invest.*).

Marguerite S. Wilcox, *Prin. Sci. Aid* (*small fruit disease invest.*).

Massachusetts:

Amherst (Coop. Mass. Agr. Expt. Sta.):

Herbert F. Bergman, M. S., Ph. D., *Sr. Path.* (*small fruit disease invest., winter months only*).

Walton E. Truran, *Agt.* (*small fruit disease invest., winter months only*).

East Wareham (Coop. Mass. Agr. Expt. Sta.):

Herbert F. Bergman, M. S., Ph. D., *Sr. Path.* (*small fruit disease invest., summer months only*).

Walton E. Truran, *Agt.* (*small fruit disease invest, summer months only*).

Mississippi—Poplarville (Coop. Miss. Agr. Expt. Sta.):

Samuel R. Greer, B. S., *Agt.* (*grape production invest.*).

Missouri—Springfield (Coop. Mo. State Fruit Sta. and Mo. Agr. Expt. Sta.):

Marion A. Smith, M. S., *Assoc. Path.* (*fruit disease invest.*).

New Jersey—Pemberton:

R. B. Wilcox, M. S., *Assoc Path.* (*small fruit disease invest.*).

North Carolina:

Raleigh (Coop. N. C. Agr. Expt. Sta.):

Ivan D. Jones, A. B., Ph. D., *Agt.* (*peach production invest.*).

Willard (Coop. N. C. Agr. Expt. Sta. and State Dept. of Agr.):

Charles T. Dearing, B. S., *Assoc. Hort.* (*grape invest.*).

G. A. Meckstroth, M. A., *Assoc. Path.* (*cranberry diseases*).

Deciduous Fruit Investigations—Continued.

FIELD HEADQUARTERS—Continued.

Oregon:

Corvallis (Coop. Oreg. Agr. Expt. Sta.):

George F. Waldo, M. S., *Asst. Pomol.* (*small fruit production invest.*).

Hood River (Coop. Oreg. Agr. Expt. Sta.):

Elmer V. Shear, B. S., *Assoc. Path.* (*perennial apple canker invest.*)

Jess R. Kienholz, M. S., *Jr. Path.* (*perennial apple canker invest.*).

J. H. Crenshaw, A. B., *Agt.* (*perennial apple canker invest.*).

Medford (Coop. Oreg. Agr. Expt. Sta.):

Willard W. Aldrich, M. S., Ph. D., *Assoc. Hort.* (*pear irrigation invest.*).

South Carolina—Columbia (Coop. S. C. Agr. Expt. Sta.):

L. E. Scott, M. S., *Agt.* (*grape invest.*).

Washington—Wenatchee:

C. P. Harley, M. S., *Assoc. Physiol.* (*physiol. fruit prod. and perennial apple canker*).

Mortimer P. Masure, S. M., *Jr. Physiol.* (*physiol. fruit prod.*).

Enoch L. Reeves, B. S., *Asst. Path.* (*perennial apple canker*).

Citrus, Avocado, and Other Subtropical Fruit Investigations:

Knowles A. Ryerson, M. S., *Prin. Hort.*

FIELD HEADQUARTERS:

Alabama—Fairhope (Coop. Ala. Agr. Expt. Sta.):

Harold F. Yates, B. S., *Agt.* (*Satsuma orange invest.*).

Arizona—Sacaton:

Robert H. Peebles, *Chief Sci. Aid* (*date invest.*).

California:

Indio:

F. A. Thackery, *Sr. Agr.* (*date invest.*).

Roy W. Nixon, B. S., *Assoc. Hort.* (*date invest.*).

Dewey C. Moore, *Sci. Aid* (*date invest.*).

Carl L. Crawford, *Asst. Sci. Aid* (*date invest.*).

La Jolla (Torrey Pines):

Lauriston C. Marshall, A. B., Ph. D. *Phys.* (*subtropical fruit invest.*).

Pomona:

Joe R. Furr, B. S., Ph. D., *Asst. Hort.* (*lemon irrigation invest.*).

Riverside:

Knowles A. Ryerson, M. S., *Prin. Hort.* (*subtropical fruit prod. invest.*).

A. D. Shamel, B. S., *Prin. Physiol.* (*subtropical fruit prod. invest.*).

C. S. Pomeroy, Ph. B., B. S., *Assoc. Pomol.* (*subtropical fruit prod. invest.*).

Florida:

Eustis:

Edward M. Savage, *Asst. Pl. Breeder* (*citrus breeding and life-history studies*).

Orlando:

Hamilton P. Traub, B. A., M. S., Ph.D., *Sr. Hort.* (*subtropical fruit prod.*).

T. Ralph Robinson, A. M., *Sr. Physiol.* (*subtropical fruit prod.*).

Harold E. Stevens, M. S., *Sr. Path.* (*citrus and subtropical fruit diseases*).

Ralph B. Piper, *Sci. Aid.* (*citrus and subtropical fruit diseases*).

Nut Investigations:

Harley L. Crane, M. S., Ph.D., *Prin. Hort.*

FIELD HEADQUARTERS:

California—Sacramento (Coop. Calif. Agr. Expt. Sta.):

Milo N. Wood, M. S., *Pomol.* (*nut prod. and breeding invest.*).

Georgia—Albany:

John R. Cole, M. S., *Assoc. Path.* (*pecan and other nut disease invest.*).

Max B. Hardy, M. S., *Asst. Pomol.* (*pecan prod. invest.*).

Nathaniel H. Loomis, B. S., *Jr. Pomol.* (*pecan prod. invest.*).

Harry Lutz, B. S., *Jr. Pomol.* (*nut culture invest.*)

John R. Large, M. S., *Jr. Path.* (*pecan and other nut disease invest.*).

Nut Investigations—Continued.

FIELD HEADQUARTERS—Continued.

Louisiana:

Robson:

Frederick N. Dodge, B. S., *Jr. Pomol.* (*pecan prod. invest.*)

Shreveport:

B. G. Sitton, M. S., Ph. D., *Assoc. Pomol.* (*pecan culture invest.*).

Howard E. Parson, M. S., *Asst. Path.* (*pecan disease invest.*).

Edward P. Aikin, *Agt.* (*pecan culture invest.*).

Maryland—Beltsville:

Harley L. Crane, M. S., Ph. D., *Prin. Hort.* (*nut prod. and disease invest.*).

Clarence A. Reed, B.S., M. H., *Assoc. Pomol.* (*nut culture invest.*).

Mississippi—Meridian:

George P. Hoffmann, M. S., *Assoc. Hort.* (*hort. invest.*).

A. C. Gossard, M. S., *Asst. Pomol.* (*pecan culture invest.*).

Oregon—Corvallis (Coop. Oreg. Agr. Expt. Sta.):

Carl E. Schuster, M. S., *Hort.* (*nut prod. invest.*).

Paul W. Miller, M. S., Ph. D., *Assoc. Path.* (*nut disease invest.*).

Richard Voigtel, B. S., *Agt.* (*nut prod. invest.*).

Texas:

Austin:

Charles L. Smith, M. S., Ph. D., *Assoc. Physiol.* (*pecan prod. invest.*).

Louis D. Romberg, B. S., *Agt.* (Coop. Brownwood, Tex. Chamber of Commerce, *pecan prod. invest.*).

J. G. Waugh, B. S., M. A., Ph. D., *Agt.* (*pecan prod. invest.*).

Brownwood (Coop. Chamber of Commerce, Brownwood):

Joseph Hamilton, B. S. A., *Jr. Pomol.* (*pecan prod. invest.*).

Vegetable Investigations:

Victor R. Boswell, M. S., Ph.D., *Prin. Hort.*

S. L. Jodidi, Ph. D., *Physiol.* (*biochemic studies*).

Edna H. Fawcett, B. L., *Asst. Path.* (*culture media preparation and standardization*).

Agnes J. Quirk, *Sr. Sci. Aid* (*culture media preparation*).

FIELD HEADQUARTERS:

California:

Brawley:

J. J. Uselman, *Agt.* (*lettuce and muskmelon disease invest.*).

Davis (Coop. Calif. Agr. Expt. Sta.):

Bryan L. Wade, M. S., Ph. D., *Assoc. Genet.* (*pea breeding invest.*).

T. E. Randall, *Agt.* (*vegetable variety standardization*).

La Jolla (Torrey Pines):

I. C. Jagger, M. S., *Sr. Path.* (*lettuce, muskmelon, and other vegetable disease invest.*).

Los Angeles:

Howard G. MacMillan, M. S., Ph. D., *Sr. Path.* (*root rot diseases of vegetables*).

Riverside (Coop. Calif. Agri. Expt. Sta.):

Michael Shapovalov, B. A., M. S., *Sr. Path.* (*vegetable disease invest., particularly tomatoes*).

Maryland—Beltsville:

Victor R. Boswell, M. S., Ph. D., *Prin. Hort.* (*vegetable prod. standardization, improvement, and disease invest.*).

Sears P. Doolittle, M. S., Ph. D., *Sr. Path.* (*cucurbit, tomato, and lettuce diseases; mosaic diseases of vegetables*).

Arthur C. Foster, M. S., *Sr. Path.* (*physiol. studies of vegetables*).

Leonard L. Harter, B. A., M. S., Ph. D., *Sr. Path.* (*sweetpotato, bean, and pea diseases*).

J. H. Beattie, M. S., *Sr. Hort.* (*peanut invest.*).

Charles Drechsler, M. S., Ph. D., *Path.* (*taxonomy of fungi*).

Roy Magruder, B. S. A., Ph. D., *Olericulturist* (*vegetable variety standardization and breeding*).

Vegetable Investigations—Continued.

FIELD HEADQUARTERS—Continued.

Maryland—Beltsville—Continued.

F. L. Wellman, B. A., M. S., Ph. D., *Assoc. Path.* (*vegetable diseases, particularly cucumber, tomato, and celery*).

Florence Hedges, A. B., *Assoc. Path.* (*bacterial diseases of beans and peas*).

Ross C. Thompson, M. S., *Assoc. Hort.* (*vegetable prod. invest.*).

William J. Zaumeyer, M. S., Ph. D., *Assoc. Path.* (*bean and pea diseases*).

William S. Porte, B. S., *Asst. Path.* (*vegetable breeding*).

C. Fred Andrus, M. A., *Jr. Path.* (*sweetpotato, bean, and pea diseases*).

C. E. Steinbauer, M. S., *Assoc. Physiol.* (*vegetable prod. invest.*).

Hubert B. Walker, *Under Scien. Helper* (*vegetable breeding and diseases of ornamentals*).

Lester E. Barrett, LL. M., M. P. L., *Sci. Aid* (*vegetable prod. invest.*).

Robert E. Wester, *Asst. Sci. Aid* (*vegetable prod. invest.*).

E. C. Tatman, *Asst. Sci. Aid* (*vegetable production invest.*).

F. Sidney Beecher, *Prin. Sci. Aid* (*cucurbit, tomato, and lettuce diseases*).

Oregon—Corvallis (Coop. Oreg. Agr. Expt. Sta.):

Bliss F. Dana, M. S., *Path.* (*curley top disease of vegetables*).

South Carolina:

Charleston:

William D. Moore, M. S., Ph. D., *Assoc. Path.* (*bean diseases*).

Florence: (Coop. Clemson Agri. College):

J. M. McCown, *Agt.* (*peanut and sweetpotato invest.*).

Texas—Winter Haven (Coop. Tex. Agr. Expt. Sta.):

L. R. Hawthorn, M. S., *Agt.* (*onion variety standardization*).

Utah—Logan (Coop. Utah Agr. Expt. Sta.):

H. L. Blood, M. S., Ph. D., *Agt.* (*tomato diseases*).

Frank B. Wann, A. B., Ph. D., *Agt.* (*tomato diseases*).

L. W. Nielsen, B. S., *Agt.* (*tomato diseases*).

R. M. Christiansen, B. S., *Agt.* (*tomato diseases*).

Wisconsin—Madison (Coop. Wis. Agr. Expt. Sta.):

John C. Walker, M. S., Ph. D., *Agt.* (*onion and cabbage diseases*).

Lester M. Blank, M. S., Ph. D., *Asst. Path.* (*onion and cabbage diseases*).

Floricultural and Ornamental Horticultural Plant Investigations:

S. L. Emsweller, B. S., Ph. D., *Prin. Hort.*

FIELD HEADQUARTERS:

Maryland—Beltsville:

S. L. Emsweller, B. S., Ph. D., *Prin. Hort.* (*floriculture and ornamental hort. invest.*).

F. L. Mulford, B. S., *Assoc. Hort.* (*floricultural invest.*).

D. V. Lumsden, M. S., Ph. D., *Assoc. Physiol.* (*floricultural invest.*).

Freeman Weiss, B. S., Ph. D., *Sr. Path.* (*ornamental diseases*).

Lucia McCulloch, B. S., *Assoc. Path.* (*ornamental diseases*).

Philip Brierley, M. S., Ph. D., *Asst. Path.* (*ornamental diseases*).

Thelma B. Post,* M. A., *Sci. Aid* (*ornamental diseases*).

New York—Ithaca (Coop. Cornell Univ. Agr. Expt. Sta.):

Frank A. Haasis, B. S., Ph. D., *Agt.* (*ornamental diseases*).

Oregon—Corvallis (Coop. Oreg. Agr. Expt. Sta.):

F. P. McWhorter, M. S., Ph. D., *Agt.* (*ornamental diseases*).

Horace H. Millsap, *Agt.* (*ornamental diseases*).

Washington—Bellingham:

B. L. Peters, *Sr. Sci. Aid* (*bulb invest.*).

Howard A. Houser, *Sci. Aid* (*bulb invest.*).

Nursery Stock and Shelterbelt Investigations:

Frank E. Gardner, M. S., Ph. D., *Sr. Pomol.*
FIELD HEADQUARTERS:
Maryland—Beltsville:
Frank E. Gardner, M. S., Ph. D., *Sr. Pomol.*
J. S. Cooley, M. S., Ph. D., *Sr. Path.* (*root rot invest.*).
Guy E. Yerkes, B. S., *Hort.* (*nursery stock invest.*).
Eugene A. Siegler, M. S., Ph. D., *Path.* (*crown gall invest.*).
Nellie A. Brown, A. B., *Assoc. Path.* (*crown gall invest.*).
John J. Bowman, M. S., *Asst. Path.* (*crown gall invest.*).
Paul C. Marth, M. S., *Jr. Pomol.* (*nursery stock invest.*).

Potato Investigations:

FIELD HEADQUARTERS:
Colorado—Greeley (Coop. Colo. State Bd. of Agr. and Colo. Expt. Sta.):
W. C. Edmundson, M. S., *Hort.* (*potato produc. invest.*).
Lawrence A. Schaal, M. S., *Asst. Path.* (*potato diseases*).
Maine—Presque Isle (Coop. Me. Agr. Expt. Sta.):
C. F. Clark, M. S., Ph. D., *Assoc. Hort.* (*potato breeding*).
P. M. Lombard, B. S., *Assoc. Hort.* (*potato prod. invest.*).
Maryland:
Beltsville:
Frederick J. Stevenson, M. S., Ph. D., *Sr. Genet.* (*potato breeding invest.*).
E. S. Schultz, M. S., Ph. D., *Sr. Path.* (*potato diseases*).
Walter P. Raleigh, B. S., Ph. D., *Assoc. Path.* (*potato diseases*).
Lillian C. Cash, A. B., *Asst. Path.* (*potato diseases*).
College Park (Coop. Md. Agr. Expt. Sta.):
John H. Beaumont, B. S., Ph. D., *Agt.* (*potato breeding invest.*).
Minnesota—St. Paul (Coop. Minn. Agr. Expt. Sta.):
Harold Mattson, B. S., *Agt.* (*potato breeding invest.*).
New York—Ithaca (Coop. Cornell Univ. Agr. Expt. Sta.):
Allen R. Trotter, B. S., *Agt.* (*potato prod. invest.*).
Iris J. Trump, B. S., *Agt.* (*potato breeding invest.*).
Oregon—Corvallis (Coop. Oreg. Agr. Expt. Sta.):
Theodore P. Dykstra, M. S., *Asst. Path.* (*potato diseases*).

Methods of Handling, Transportation and Storage, and Market Diseases of Fruits, Vegetables, and Flowers—Investigations of:

Durward F. Fisher, B. S., M. H., *Prin. Hort.*
Charles Brooks, M. A., Ph. D., *Prin. Path.*
Dean H. Rose, M. A., Ph. D., *Sr. Physiol.*
R. C. Wright, M. S., *Physiol.*
Mark H. Haller, M. S., Ph. D., *Assoc. Pomol.*
Erston V. Miller, M. S., Ph. D., *Asst. Physiol.*
FIELD HEADQUARTERS:
California:
Fresno (Coop. Calif. Agr. Expt. Sta.):
W. T. Pentzer, M. S., *Physiol.*
C. E. Asbury, M. S., *Jr. Pomol.*
Indio:
Wm. R. Barger, B. S., *Assoc. Physiol.*
Pomona:
C. W. Mann, B. S., *Sr. Pomol.*
E. M. Harvey, A. B., Ph. D., *Physiol.*
William C. Cooper, B. S., *Jr. Pomol.*
G. Leonard Rygg, M. S., *Jr. Pomol.*
Florida—Orlando:
John R. Winston, M. S., *Sr. Hort.*
Paul L. Harding, B. S., Ph. D., *Assoc. Hort.*
Illinois—Chicago (Coop. Univ. of Chicago):
G. B. Ramsey, M. A., Ph. D., *Sr. Path.*

Methods of Handling—Continued.

FIELD HEADQUARTERS—Continued.
New York—New York:
C. O. Bratley, B. S., Ph. D., *Assoc. Path.*
James S. Wiant, B. S., Ph. D., *Assoc. Path.*
Virginia—Rosslyn (Arlington Expt. Farm):
Earl D. Mallison, B. S., *Asst. Mkt. Spec.*
Jacob M. Lutz, B. S., *Jr. Physiol.*
T. M. Whiteman, B. S. A., *Asst. Hort.*
R. L. Newton, *Prin. Mech.*
E. A. Gorman, *Sci. Aid.*
Lacy McColloch, *Prin. Sci. Aid.*
Washington:
Wenatchee:
Edwin Smith, B. S., *Sr. Hort.*
Fisk Gerhardt, M. S., Ph. D., *Physiol.*
Boyce D. Ezell, M. S., *Asst. Hort.*
Yakima:
A. L. Ryall, M. S., *Asst. Pomol.*

Fruit and Vegetable Utilization Investigations:

FIELD HEADQUARTERS:
Maryland—Beltsville:
J. S. Caldwell, A. M., Ph. D., *Sr. Physiol.*
C. A. Magoon, A. B., Ph. D., *Sr. Bact.*
B. C. Brunstetter, B. A., M. S., Ph. D., *Assoc. Biochem.*
C. W. Culpepper, M. S., *Physiol.*
H. H. Moon, B. S., *Jr. Pomol.*

Plant Physiology:

Frank L. Goll, *Sr. Physiol.*

Botanical Artists:

L. C. C. Krieger, *Bot. Artist.*
J. Marion Shull, *Assoc. Bot.*
R. C. Steadman, *Chief Sci. Illustr.*
Mary D. Arnold, *Sci. Illustr.*

Cheyenne Horticultural Field Station:

FIELD HEADQUARTERS:
Wyoming—Cheyenne (Coop. City of Cheyenne):
A. C. Hildreth, B. S., Ph. D., Agt. (*Prin. Hort. and Supt.*)
M. F. Babb, B. S., *Agt.* (*vegetable invest.*).
LeRoy Powers, M. S., Ph. D., *Agt.* (*plant breeding and genetic invest.*).
John D. Kelso, *Prin. Sci. Aid.*
James E. Kraus, B. S., *Field Asst.*

DIVISION OF GENETICS AND BIOPHYSICS

G. N. Collins, *Prin. Bot., in charge.*
J. H. Kempton, *Bot.*
J. O. Belz, Ph. B., M. Di., *Assoc. Biophys.*
A. E. Longley, B. S., A. M., Ph. D., *Assoc. Bot.*
John W. McLane, B. S., *Asst. Biophys.*
William D. Donahoo, *Sr. Lab. Mech.*
Bruce Caldwell, B. S., *Asst. Sci. Aid.*
FIELD HEADQUARTERS:
Virginia—Rosslyn (Arlington Exp. Farm):
Robert C. Hess, Jr., *Asst. Sci. Aid.*

DIVISION OF MYCOLOGY AND DISEASE SURVEY

Howard A. Edson, M. S., Ph. D., *Prin. Path., in charge.*

Mycological Collections:

John A. Stevenson, B. S., *Sr. Mycol., in charge.*
Vera K. Charles, A. B., *Assoc. Path.*
William W. Diehl, M. S., Ph. D., *Assoc. Path.*
Anna E. Jenkins, M. S., Ph. D., *Assoc. Path.*
Edmund B. Lambert, M. S., Ph. D., *Assoc. Path.*
Edith K. Cash, A. B., *Asst. Path.*
Harriet M. Daly,* *Asst. Sci. Aid.*
Josie B. Dishman,* *Jr. Sci. Aid.*
Edna M. Ermold, A. B., *Jr. Sci. Aid.*

Plant Disease Survey:

Howard A. Edson, M. S., Ph. D., *Prin. Path., in charge.*
Jessie I. Wood, A. M., *Asst. Path.*
Paul R. Miller, A. B., M. S., *Jr. Path.*
Nellie W. Nance, A. B., *Sr. Sci. Aid.*

DIVISION OF NEMATOLOGY

G. Steiner, M. A., Ph. D., *Prin. Nematol., in charge.*

Free-Living, Plant-Infesting, and Insect-Infesting Nemas:

Jesse R. Christie, M. S., Ph. D., *Assoc. Nematol.*
Edna M. Buhrer, A. B., *Asst. Nematol.*
Grace Sherman Cobb,* A. B., *Jr. Nematol.*
M. Louise Shaw,* M. A., *Jr. Nematol.*
Charles B. Bateman, *Sr. Lab. Mech.*
Florence E. Albin,* *Sci. Aid.*
Civella A. Brooks,* *Jr. Sci. Aid.*

FIELD HEADQUARTERS:
Utah—Salt Lake City:
Gerald Thorne, M. S., *Assoc. Nematol.*
Margaret N. Corder, *Jr. Sci. Aid.*
Washington—Sumner:
Wilbur D. Courtney, M. S., *Asst. Nematol.*

DIVISION OF PLANT EXPLORATION AND INTRODUCTION

B. Y. Morrison, B. S., M. L. A., *Prin. Hort., in charge.*

Economic and Systematic Botany:

Frederick V. Coville, A. B., D. Sc., *Prin. Bot.*
S. F. Blake, A. M., Ph. D., *Sr. Bot.*
Oliver M. Freeman, A. B., *Asst. Bot.*
Grace G. Freeman,* *Under Sci. Helper.*
Ivar Tidestrom, Ph. B., *Collab.*

Experimenters' Service:

W. E. Whitehouse, M. S., Ph. D., *Sr. Hort.*
R. A. Young, B. S., *Assoc. Hort.*
W. R. Poore, *Sr. Foreman Gardener.*
William Jones, *Sci. Aid.*
Mabel I. Yates,* *Asst. Sci. Aid.*
B. T. Galloway, B. Agr. Sc., LL. D., D. Agr., *Collab.*

FIELD HEADQUARTERS:
California—Chico:
J. C. Long, B. S., *Asst. Hort., in charge.*
J. E. Morrow, *Supt.*
B. D. Douglas, *Sr. Pl. Prop.*
C. H. Jackson, *Sr. Pl. Prop.*
Florida—Coconut Grove:
T. B. McClelland, A. B., *Sr. Hort., in charge.*
J. H. Heuer, *Asst. Sci. Aid.*
G. W. Kosel, Jr., *Asst. Sci. Aid.*
Georgia—Savannah:
David A. Bisset, *Chief Sci. Aid in charge.*
Maryland—Glenn Dale:
H. A. Gunning, B. S., *Assoc. Hort., in charge.*
C. C. Thomas, M. A., *Hort.*
A. W. Close, *Prin. Sci. Aid.*
J. W. Mullican, *Head Gardener.*

Foreign Explorations:

FIELD HEADQUARTERS:
Florida—Coconut Grove:
David Fairchild, D. Sc., *Collab.*
Maryland—Glenn Dale:
P. H. Dorsett, B. Agr., *Collab.*
New York—New York:
A. V. Armour, *Collab.*
China—Likiang:
Joseph F. Rock, LL. D., *Collab.*

Grass Investigations:

A. S. Hitchcock, M. S., D. Sc., *Prin. Bot.*
Agnes Chase,* *Assoc. Bot.*
Jason R. Swallen, A. B., M. S., *Asst. Bot.*
Cornelia D. Niles, *Sr. Libr. Asst.*

National Arboretum:

Frederick V. Coville, A. B., D. Sc., *Prin. Bot., Acting Dir.*

Plant Geography in Relation to Plant Industry:

C. O. Erlanson. A. B., M. S., *Assoc. Ecol.*
Paul G. Russell, A. B., M. S., *Asst. Bot.*

Rubber Production Investigations:

O. F. Cook, Ph. B., D. Sc., *Prin. Bot.*
L. G. Polhamus, *Assoc. Technol.*
R. L. Taylor, *Chief Sci. Aid.*
A. V. McMullan, *Asst. Sci. Aid.*
John T. Presley, *Asst. Sci. Aid.*

Rubber Production Investigations—Continued.

FIELD HEADQUARTERS:
Florida—Coconut Grove:
H. F. Loomis, *Assoc Agron.*
Alfred Keys, *Assoc. Hort.*
Joseph L. Fennell, *Asst. Sci. Aid.*
J. A. Elder, *Under Sci. Helper.*
Georgia—Savannah:
R. S. Bailey, *Asst. Sci. Aid.*
Harlan H. Hill, *Asst. Sci. Aid.*

DIVISION OF SEED INVESTIGATIONS

Edgar Brown, Ph. B., *Prin. Bot., in charge.*

Seed Testing:

Eben H. Toole, M. A., Ph. D., *Physiol.*
Lewis H. Flint, M. S., Ph. D., *Assoc. Physiol.*
Emma F. Sirrine, M. S., *Assoc. Bot.*
Albina F. Musil, A. B., *Asst. Bot.*
Alice M. Andersen, M. A , *Asst. Physiol.*
Nelle B. Wilkinson, Ph. B., *Jr. Bot.*
Harriet Cull, A. B., *Jr. Bot.*
Frankie M. Torpy,* A. B., *Jr. Bot.*

Federal Seed Act:

Walter A. Davidson, B. S., *Assoc. Bot.*
Alma L. Eggleston,* B S., *Jr. Bot.*
Vivian Kearns, A. B., *Jr. Bot.*
Mildred Pladeck, M. S., *Jr. Bot.*
Glenn E. Stancliff, *Asst. Sci. Aid.*
FIELD LABORATORIES:
California—Sacramento:
Willard L. Goss, B. S., LL. B., *Sr. Bot.* (*Coop. Calif. State Dept. Agr.*)
Leatha D. Bunting, M. A., *Jr. Bot.* (*Coop. Calif. State Dept. Agr.*)
Indiana—Lafayette:
Regina B. Schulte, A. B., *Asst. Bot.* (*Coop. Purdue Univ. Agr. Expt. Sta.*)
Missouri—Columbia:
Clara Fuhr, B. S., A. M., *Asst. Bot.* (*Coop. Mo. Agr. Expt. Sta.*)
Oregon—Corvallis:
Grace Cole Fleischman,* A. B., *Asst. Bot.* (*Coop. Oreg. State Agr. Coll.*)

DIVISION OF SOIL FERTILITY INVESTIGATIONS

O. Schreiner, M. S., Ph. D., *Prin. Biochem. in charge.*

Soil and Fertilizer Investigations:

B. E. Brown, M. S., *Sr. Biochem.*
J. J. Skinner, M. S., Ph. D., *Sr. Biochem.*
L. A. Hurst, B. S., *Biochem.*
C. C. Fletcher, M. D., *Assoc. Chem.*
G. V. C. Houghland, M. S., Ph. D., *Assoc. Soil Technol.*
FIELD LABORATORIES:
Citrus and Truck Studies:
Florida—Orlando:
G. M. Bahrt, M. S., *Asst. Soil Technol.*
W. R. Roy, M. S., *Asst. Biochem.*
A. E. Hughes, M. S., Ph. D., *Agt.* (*Coop. Fla. Agr. Expt. Sta.*).
Sugarcane Soil Studies:
Louisiana—Houma:
A. M. O'Neal, B. S., *Assoc. Soil Technol.*
Pecan Soil Studies:
Georgia—Albany:
E. D. Fowler, B. S., *Assoc. Soil Technol.*
R. D. Lewis, M. S., *Asst. Soil Technol.*
Louisiana—Shreveport:
A. O. Alben, M. S., Ph. D., *Asst. Soil Technol.*
H. M. Boggs, M. S., *Asst. Chem.*
Sugar-beet Soil Studies:
California—Davis:
R. A. Pendleton, M. S., Ph. D., *Asst. Soil Technol.*
Nebraska—Scottsbluff:
E. S. Lyons, M. S., *Assoc. Soil Technol.*
Strawberry Soil Studies:
North Carolina—Chadbourn:
R. A. Lineberry, M. S., Ph. D., *Asst. Chem.*

Soil and Fertilizer Investigations—Continued.

FIELD LABORATORIES—Continued.

Soil-Improvement Studies:

Sand Hill Station:

South Carolina—Columbia:

N. McKaig, Jr., M. S., *Assoc. Soil Technol.*

E. M. Roller, M. S., Ph. D., *Asst. Chem.*

A. B. Bowen, *Agt.* (*Coop. S. C. Agr. Expt. Sta.*).

Cotton Root-rot Studies:

Texas—Austin:

J. E. Adams, A. B., M. S., *Assoc. Soil. Technol.*

H. V. Jordan, B. S., M. A., *Assoc. Soil Technol.*

E. R. Collins, Ph. D., *Asst. Soil Technol.*

W. V. Black, B. S., *Asst. Soil Technol.*

J. H. Hunter, M. S., *Asst. Soil Technol.*

D. R. Ergle, M. S., Ph. D., *Asst. Chem.*

N. E. Rigler, B. S., M. A., Ph. D., *Agt.* (*Coop. Texas Agr. Expt. Sta. and Univ. of Tex.*).

Biochemical Investigations of Soils and Fertilizers:

P. R. Dawson, M. A., *Sr. Biochem.*

R. B. Deemer, B. S., *Assoc. Biochem.*

G. P. Walton, M. S., *Assoc. Biochem.*

W. R. Leighty, M. S., *Assoc. Biochem.*

R. F. Gardiner, M. S., *Asst. Chem.*

J. B. Martin, A. B., M. S., *Asst. Chem.*

J. A. Schricker, B. S., *Jr. Chem.*

Soil Reaction Studies:

E. F. Snyder, B. S., *Assoc. Chem.*

Greenhouse Studies:

F. R. Reid, *Asst. Biochem.*

DIVISION OF SOIL MICROBIOLOGY

C. Thom, M. A., Ph. D., *Prin. Mycol. in charge.*

Soil Fungi:

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C. V. Johnson, C. E., *Sr. Hwy. Engin.*
D. D. Mickey, B. S. in C. E., *Sr. Hwy. Engin.*
S. E. Sime, B. S. in C. E., *Sr. Hwy. Engin.*
B. F. Taylor, B. S. in C. E., *Sr. Hwy. Engin.*
J. I. Quinn, C. E., *Sr. Hwy. Bridge Engin.*
E. L. Brown, *Hwy. Engin.*
G. W. Loomis, B. S. in C. E., *Hwy. Engin.*
W. G. White, C. E., *Hwy. Engin.*
C. C. Burdick, B. S. (C. E.), *Assoc. Hwy. Engin.*
D. L. Froerer, B. S. in A. E., *Assoc. Hwy. Engin.*
George Fuller, B. S. in C. E., *Assoc. Hwy. Engin.*
W. F. Hart, B. C. E., *Assoc. Hwy. Engin.*
I. B. Mullis, *Assoc. Hwy. Engin.*
E. E. Buell, B. C. E., *Asst. Hwy. Engin.*
Missouri—Jefferson City:
S. W. O'Brien, B. S. in C. E., *Sr. Hwy. Engin.*
C. T. McGinley, *Hwy. Engin.*

District No. 6 (Hdqrs., Fort Worth, Tex.):
C. E. Swain, Ph. B., *Dist. Engin., in charge.*
Arkansas—Little Rock:
J. M. Page, *Sr. Hwy. Engin.*
H. C. Simmins, *Assoc. Hwy. Engin.*
F. C. Turner, B. S. in C. E., *Asst. Hwy. Engin.*
G. A. Wilkins, B. S. in C. E., *Assc. Hwy. Engin.*
Louisiana—Baton Rouge:
M. J. Cramer, *Sr. Hwy. Engin.*
L. D. Asmus, C. E., *Assoc. Hwy. Engin.*
Oklahoma—Oklahoma City:
W. V. Smiley, B. S. in C. E., *Sr. Hwy. Engin.*
W. G. Arnold, *Assoc. Hwy. Engin.*
G. A. Bittle, B. E., *Assoc. Hwy. Engin.*
J. S. Logan, B. S. in C. E., *Assoc. Hwy. Engin.*
Texas:
Austin:
F. P. Sexton, *Sr. Hwy. Engin.*
O. B. Kercher, B. S. in C. E., *Hwy. Engin.*
S. W. Mickey, B. S. in Mining Engr., *Assoc. Hwy. Engin.*
B. L. Andrews, B. S. in C. E., *Asst. Hwy. Engin.*
H. I. Berg, B. S in C. E., *Jr. Hwy. Engin.*
C. F. Izzard, A. B. in C. E., *Jr. Hwy. Engin.*
Fort Worth (hdqrs. for dist.):
C. E. Swain, Ph. B., *Dist. Engin.*
J. C. Carpenter, B. C. E., *Sr. Hwy. Engin.*
A. W. Heyer, B. S. in C. E., *Sr. Hwy. Engin.*
C. T. Nitteberg, B. S. in C. E., *Sr. Hwy. Bridge Engin.*
H. S. Gillette, C. E., *Hwy. Engin.*
G. S. Vincent, B. S. in C. E., *Hwy. Bridge Engin.*
R. S. Gatens, *Assoc. Hwy. Engin.*
F. R. Oliver, B. S. in C. E., *Assoc. Hwy. Engin.*
W. C. Peterson, B. S. in C. E., *Assoc. Hwy. Bridge Engin.*
F. T. Stoddard, B. S. in M. and G., *Assoc. Hwy. Engin.*
E. E. Stubblefield, B. S. in C. E., *Assoc. Hwy. Engin.*
H. J. Cosby, B. S. in C. E., *Asst. Hwy. Bridge Engin.*
J. M. DeBardeleben, M. S. in C. E., *Asst. Hwy. Engin.*
E. D. Johnson, C. E., *Asst. Hwy. Engin.*
H. P. Purington, C. E., *Asst. Hwy. Engin.*
A. C. Taylor, B. S. in C. E., *Asst. Hwy. Engin.*
F. Anderlitch, B. S. in C. E., *Jr. Hwy. Engin.*
R. C. Glover, B. S. in C. E., *Jr. Hwy. Engin.*
W. P. Privette, B. S. in C. E., *Jr. Hwy. Engin.*

District No. 7 (Hdqrs., South Chicago, Ill.):
J. T. Voshell, B. S. in C. E., *Dist. Engin. in charge.*
Illinois—South Chicago (hdqrs. for dist.):
J. T. Voshell, B. S. in C. E., *Dist. Engin.*
R. H. Harrison, B. S. in C. E., *Sr. Hwy. Engin.*
F. M. Johnson, B. S. in C. E., *Sr. Hwy. Engin.*
J. W. Moore, *Sr. Hwy. Engin.*
L. P. Scott, B. S. in C. E., *Sr. Hwy. Engin.*
R. L. Devereaux, *Hwy. Engin.*
F. A. Knight, B. S. in C. E., *Hwy. Engin.*
H. G. Oakes, B. S. in C. E., *Hwy. Engin.*
J. R. Blair, B. S. in C. E., *Assoc. Hwy. Engin.*
A. F. Haelig, B. S. in C. E., *Assoc. Hwy. Engin.*
H. W. Hagaman, B. S. in C. E., *Assoc. Hwy. Engin.*
H. J. Horan, B. S. in C. E., *Assoc. Hwy. Bridge Engin.*
W. C. Horton, *Assoc. Hwy. Engin.*
R. P. Kelley, B. S. in E., *Assoc. Hwy. Engin.*
W. R. Woolley, C. E., *Assoc. Hwy. Engin.*
S. E. Farin, B. C. E., *Asst. Hwy. Engin.*
N. E. MacDougall, B. S. in C. E., *Jr. Hwy. Engin.*
T. D. Peppard, B. S. in C. E., *Jr. Hwy. Engin.*
Kentucky—Frankfort:
M. Galbreath, B. S. in C. E., *Sr. Hwy. Engin.*
D. C. Brooks, B. S. in C. E., *Assoc. Hwy. Engin.*
A. V. Helms, B. S. in C. E., *Assoc. Hwy. Engin.*

District No. 8 (Hdqrs., Montgomery, Ala.):
C. D. Snead, C. E., *Dist. Engin. in charge.*
Alabama—Montgomery (hdqrs. for dist.):
C. D. Snead, C. E., *Dist. Engin.*
N. S. Anderson, B. S. in E., *Sr. Hwy. Engin.*
J. M. Angle, C. E., *Sr. Hwy. Bridge Engin.*
B. P. McWhorter, B. S. in C. E., *Sr. Hwy. Engin.*
H. C. Wells, *Sr. Hwy. Engin.*
C. W. DeGinther, C. E., *Hwy. Bridge Engin.*
H. J. Friedman, *Hwy. Engin.*
J. W. Martin, C. E., *Hwy. Engin.*
B. A. Scott, C. E., *Hwy. Engin.*
G. L. Smith, C. E., *Hwy. Engin.*
E. C. White, B. S. in C. E., *Hwy. Bridge Engin.*
U. L. Fisher, B. S. in C. E., *Assoc. Hwy. Engin.*
H. C. Headley, *Assoc. Hwy. Engin.*
J. P. Melvin, C. E., *Assoc. Hwy. Engin.*
M. O. Wilburn, B. S. in C. E., *Asst. Hwy. Engin.*
J. S. Call, B. S. in C. E., *Jr. Hwy. Engin.*
D. R. Tompkins, B. S. in C. E., *Jr. Hwy. Engin.*
Florida—Gainesville:
H. J. Morrison, *Sr. Hwy. Engin.*
J. A. Reynolds, M. E. E., *Assoc. Hwy. Engin.*
Georgia—Atlanta:
J. T. Marshall, C. E., *Sr. Hwy. Engin.*
C. J. daSilva, B. S. in C. E., *Hwy. Engin.*
E. R. Epperson, B. S., *Assoc. Hwy. Engin.*
Mississippi—Jackson:
F. A. Davis, B. S. in C. E., *Sr. Hwy. Engin.*
E. U. Stevenson, B. C. E., *Assoc. Hwy. Engin.*
Tennessee—Nashville:
J. W. Ogier, *Sr. Hwy. Engin.*
G. G. Dunlap, C. E., *Assoc. Hwy. Engin.*
W. F. Brock, B. S. in C. E., *Assoc. Hwy. Engin.*

District No. 9 (Hdqrs., Albany, N. Y.):
A. G. Bruce, B. S. in C. E., *Dist. Engin. in charge.*
Connecticut—Hartford:
W. J. Anderson, B. E., *Sr. Hwy. Engin.*
Maine—Augusta:
H. D. Fallon, C. E., *Sr. Hwy. Engin.*
F. W. Pierce, Jr., B. S. in C. E., *Assoc. Hwy. Engin.*
Massachusetts—Boston:
T. M. Keene, B. S. in C. E., *Sr. Hwy. Engin.*
R. E. Tribou, B. S. in C. E., *Assoc. Hwy. Engin.*
New Hampshire—Concord:
J. A. Whittaker, B. S. in C. E., *Sr. Hwy. Engin.*
H. Q. Thomas, Ph. B., *Assoc. Hwy. Engin.*
New Jersey—Trenton:
J. E. Mincher, C. E., *Sr. Hwy. Engin.*
J. T. Schuyler, C. E., *Assoc. Hwy. Engin.*
New York:
Batavia:
L. F. Clark, C. E., *Assoc. Hwy. Engin.*
Montour Falls:
R. B. Everts, *Assoc. Hwy. Engin.*
Syracuse:
W. H. Snyder, C. E., *Assoc. Hwy. Engin.*
Albany (hdqrs. for dist.):
A. G. Bruce, B. S. in C. E., *Dist. Engin.*
J. H. Ayres, B. S. in C. E., *Sr. Hwy. Engin.*
R. M. Bennett, C. E., *Sr. Hwy. Engin.*
L. H. Swartz, *Sr. Hwy. Engin.*
H. J. Hemstreet, B. E., *Hwy. Engin.*
R. S. Johnson, B. S. in C. E., *Hwy. Bridge Engin.*
E. R. Barton, Ph. B. in C. E., *Assoc. Hwy. Engin.*
C. F. Bidgood, C. E., *Assoc. Hwy. Engin.*
L. G. Grossman, B. S. in C. E., *Assoc. Hwy. Engin.*
E. H. Robinson, B. E , *Assoc. Hwy. Engin.*
H. M. Smith, C. E., *Assoc. Hwy. Engin.*
A. E. Robinson, B. S. in C. E., *Asst. Hwy. Bridge Engin.*
T. S. Stevenson, B. S. in C. E., *Asst. Hwy. Engin.*
R. T. Zeglen, B. S. in C. E., *Asst. Hwy. Engin.*
Sherburne Hill, Jr., B. S. in C. E., *Jr. Hwy. Engin.*
D. E. Jones, B. S. in C. E., *Jr. Hwy. Engin.*
Rhode Island—Providence:
H. J. McKenney, *Hwy. Engin.*
Vermont—Montpelier:
A. M. Snow, C. E., *Sr. Hwy. Engin.*

District No. 10 (Hdqrs., Washington, D. C.):
V. M. Peirce, B. S. in C. E., *Dist. Engin., in charge.*
District of Columbia—Washington (hdqrs. for dist.):
V. M. Peirce, B. S. in C. E., *Dist. Engin.*
A. F. Gordon, *Sr. Hwy. Bridge Engin.*
C. L. Brown, *Sr. Hwy. Engin.*
A. C. Dunn, C. E., *Sr. Hwy. Engin.*
A. E. McClure, C. E., *Hwy. Engin.*
H. J. Grathwol, B. S. in C. E., *Assoc. Hwy. Engin.*
B. P. Harrison, C. E., *Assoc. Hwy. Engin.*
N. D. McDowell, B. S. in C. E., *Assoc. Hwy. Bridge Engin.*
J. P. Mutchler, C. E., *Assoc. Hwy. Bridge Engin.*
R. S. Anderson, B. C. E., *Asst. Hwy. Engin.*
J. E. Cook, Jr., B. S. in C. E., *Asst. Hwy. Engin.*
R. W. Edwards, B. S. in C. E., *Asst. Hwy. Engin.*
F. L. Holloway, B. S. in C. E., *Asst. Hwy. Engin.*
C. E. Larson, B. S. in C. E., *Asst. Hwy. Engin.*
J. F. Sullivan, C. E., *Asst. Hwy. Engin.*
H. F. Tripp, *Asst. Hwy. Engin.*
Ohio—Columbus:
W. V. Buck, C. E., *Sr. Hwy. Design Engin.*
G. J. Goehl, *Assoc. Hwy. Engin.*
August Schofer, B. E., *Assoc. Hwy. Engin.*
S. E. Braswell, B. S. in C. E., *Asst. Hwy. Engin.*
I. W. Hall, *Asst. Hwy. Engin.*
W. I. Redmond, *Asst. Hwy. Engin.*
Pennsylvania—Harrisburg:
A. C. Rapelje, *Sr. Hwy. Engin.*
H. R. Leland, *Hwy. Engin.*
T. E. Kesting, B. S. in C. E., *Assoc. Hwy. Engin.*

District No. 14 (Hdqrs., Spartanburg, S. C.):
C. H. Moorefield, B. S., C. E., *Dist. Engin. in Charge*
South Carolina—Columbia:
V. E. Towles, *Sr. Hwy. Engin.*
S. A. Obenshain, C. E., *Assoc. Hwy. Engin.*
R. B. Smith, B. C. E., *Assoc. Hwy. Engin.*
South Carolina—Spartanburg (hdqrs. for dist.)
C. H. Moorefield, B. S., C. E., *Dist. Engin.*
L. T. Powers, B. S. in C. E., *Sr. Hwy. Design Engin.*
J. A. Glominski, C. E., *Hwy. Engin.*
J. B. Dalhouse, B. S. in C. E., *Asst. Hwy. Engin.*
North Carolina—Raleigh:
G. T. Macnab, B. S. in C. E., *Sr. Hwy. Engin.*
A. L. Hooper, C. E., *Hwy. Engin.*
Virginia—Richmond:
J. D. Fauntleroy, C. E., *Sr. Hwy. Engin.*
C. M. Hartsock, B. S. in C. E., *Assoc. Hwy. Engin.*
C. A. Bergey, B. S. in C. E., *Jr. Hwy. Engin.*
West Virginia—Charleston:
Wm. Brewster, M. E., *Sr. Hwy. Engin.*
C. L. Hayward, C. E., *Assoc. Hwy. Engin.*

FIELD ORGANIZATIONS—WEST

L. I. Hewes, Ph. D., *Dep. Chief Engin., in charge.*

Regional Office (Hdqrs., San Francisco, Calif.):
California—San Francisco (Hdqrs.):
L. I. Hewes, Ph. D., *Dep. Chief Engin.*
J. S. Bright, B. S. in C. E., *Prin. Hwy. Engin.*
B. W. Matteson, B. S., *Sr. Hwy. Engin.*
G. W. Mayo, B. S. in C. E., *Sr. Hwy. Bridge Engin.*
H. R. Angwin, B. S. in C. E., *Sr. Hwy. Bridge Engin.*
F. L. Klein, Ph. B. in C. E., *Hwy. Bridge Engin.*
N. F. McCoy, A. B., *Hwy. Engin.*
E. F. Ruggles, B. S. in C. E., *Hwy. Engin.*
E. S. Wheeler, C. E., *Hwy. Engin.*
C. R. Black, C. E., *Assoc. Hwy. Bridge Engin.*
F. R. Bonnickson, B. S. in C. E., *Assoc. Hwy. Engin.*
A. A. Clausen, B. S. in C. E., *Assoc. Hwy. Bridge Engin.*
C. F. Dixon, *Assoc. Hwy. Engin.*
E. T. Larsen, C. E., *Assoc. Hwy. Bridge Engin.*
G. M. Williams, B. S. in C. E., *Assoc. Hwy. Engin.*

Regional Office—Continued.

Hawaii—Honolulu:
J. Moskowitz, *Sr. Hwy. Engin.*
H. L. Handley, B. S. in C. E., *Asst. Hwy. Engin.*

District No. 1 (Hdqrs., Portland, Oreg.):

W. H. Lynch, C. E., *Dist. Engin. in charge.*
Montana—Missoula:
A. C. Clark, B. S. in C. E., *Sr. Hwy. Engin.*
L. F. Martin, B. S. in C. E., *Assoc. Hwy. Engin.*
E. M. Hulce, *Assoc. Hwy. Engin.*
B. F. Kitt, C. E., *Assoc. Hwy. Engin.*
Samuel Cook, *Asst. Hwy. Engin.*
Oregon—Portland (hdqrs. for dist.):
W. H. Lynch, C. E., *Dist. Engin.*
F. E. Andrews, *Sr. Hwy. Engin.*
H. D. Farmer, B. S. in C. E., *Sr. Hwy. Engin.*
R. B. Wright, B. S. in C. E., *Sr. Hwy. Bridge Engin.*
L. J. Caufield, *Hwy. Engin.*
T. M. Davis, *Hwy. Engin.*
R. N. Kellogg, B. S. in C. E., *Hwy. Engin.*
A. F. Morris, *Hwy. Engin.*
W. J. Scofield, B. C. E., *Hwy. Engin.*
A. H. Benedict, C. E., *Assoc. Hwy. Engin.*
J. F. Cameron, B. S. in C. E., *Assoc. Hwy. Engin.*
R. B. McMinn, B. S. in E., *Assoc. Hwy. Bridge Engin.*
R. E. Merrick, *Assoc. Hwy. Engin.*
W. G. Peters, B. S. in C. E., *Assoc. Hwy. Engin.*
J. B. Reher, *Assoc. Hwy. Engin.*
E. T. Saunders, *Assoc. Hwy. Engin.*
C. R. Short, B. S. in C. E., *Assoc. Hwy. Engin.*
W. D. Simpson, B. S. in C. E., *Asst. Hwy. Bridge Engin.*
B. F. Beezley, *Asst. Hwy. Engin.*
R. T. Bloodsworth, *Asst. Hwy. Engin.*
F. H. Cotter, *Asst. Hwy. Engin.*
W. T. Eddy, *Asst. Hwy. Engin.*
A. V. Emery, *Asst. Hwy. Engin.*
Jean Ewen, *Asst. Hwy. Engin.*
Joseph Lissner, A. B., *Asst. Hwy. Engin.*
H. E. Mitchell, B. S. in C. E., *Asst. Hwy. Engin.*
J. M. Myers, *Asst. Hwy. Engin.*
C. G. Norris, *Asst. Hwy. Engin.*
C. G. Polk, B. S. in C. E., *Asst. Hwy. Engin.*
H. A. Stoddart, B. S. in C. E., *Asst. Hwy. Engin.*
R. I. Thomas, *Asst. Hwy. Engin.*
W. T. Utz, *Asst. Hwy. Engin.*
L. A. Deklotz, B. S. in C. E., *Jr. Hwy. Engin.*
F. W. Haxton, B. S. in C. E., *Jr. Hwy. Engin.*
N. L. James, B. S. in C. E., *Jr. Hwy. Engin.*
R. M. Schwegler, B. S. in C. E., *Jr. Hwy. Engin.*
R. E. Tarbet, B. S. in C. E., *Jr. Hwy. Engin.*

District No. 2 (Hdqrs., San Francisco, Calif.):

C. H. Sweetser, A. B. in C. E., *Dist. Engin., in charge.*
Arizona—Phoenix:
G. L. McLane, *Hwy. Engin.*
J. H. Brannan, *Assoc. Hwy. Engin.*
E. J. McCracken, *Assoc. Hwy. Engin.*
F. W. Flittner, B. S. in C. E., *Assoc. Const. Engin.*
W. R. F. Wallace, B. S. in C. E., *Assoc. Hwy. Engin.*
E. F. Strickler, *Asst. Hwy. Engin.*
W. P. Wesch, B. S. in C. E., *Assoc. Hwy. Bridge Engin.*
F. J. Dixon, B. S. in C. E., *Asst. Hwy. Engin.*
R. M. Rutledge, B. S. in C. E., *Asst. Hwy. Engin.*
V. G. Watson, B. S. in C. E., *Asst. Hwy. Engin.*
L. G. Watters, B. S. in C. E., *Asst. Hwy. Engin.*
E. V. Aldrich, B. S. in C. E., *Jr. Hwy. Engin.*
Earl Green, B. S. in C. E., *Jr. Hwy. Engin.*
R. M. Phillips, B. S. in C. E., *Jr. Hwy. Engin.*
C. H. Sweetser, A. B. in C. E., *Dist. Engin.*
L. R. Brown, C. E., *Sr. Hwy. Engin.*
E. C. Brown, C. E., *Sr. Hwy. Engin.*
C. C. Morris, B. S. in C. E., *Sr. Hwy. Engin.*
C. G. Morrison, B. S. in C. E., *Sr. Hwy. Engin.*

District No. 2—Continued.

Arizona—Phoenix—Continued.
J. D. Shaw, *Sr. Hwy. Engin.*
G. D. Whittle, B. S. in C. E., *Sr. Hwy. Bridge Engin.*
A. B. Brown, *Mech. Engin.*
R. Pearson, B. S. in C. E., *Hwy. Bridge Engin.*
H. S. Tolen, C. E., *Hwy. Engin.*
H. A. Alderton, jr., A. B. in C. E., *Assoc. Hwy. Engin.*
C. S. Bruning, *Assoc. Hwy. Engin.*
C. W. Dennison, B. S., *Assoc. Hwy. Engin.*
H. P. Hart, C. E., *Assoc. Struct. Engin.*
J. E. Jensen, *Assoc. Hwy. Engin.*
F. B. Lessman, B. S. in C. E., *Assoc. Hwy. Engin.*
J. L. Mathias, B. S. in C. E., *Assoc. Hwy. Engin.*
W. H. Smith, B. S. in C. E., *Assoc. Hwy. Engin.*
R. Thirion, *Assoc. Hwy. Engin.*
W. J. Ward, B. S. in C. E., *Assoc. Hwy. Engin.*
H. Broberg, B. S. in C. E., *Asst. Hwy. Engin.*
M. M. Flint, A. B. in C. E., *Asst. Hwy. Engin.*
F. R. Hall, B. S. in C. E., *Asst. Hwy. Engin.*
J. A. Killalee, B. S. in C. E., *Asst. Hwy. Engin.*
C. S. Moore, B. S. in M. E., *Asst. Hwy. Engin.*
T. M. Roach, B. S. in C. E., *Asst. Hwy. Engin.*
J. N. Storrs, B. S. in C. E., *Asst. Hwy. Engin.*
O. H. Swaney, B. S. in M. E., *Asst. Hwy. Engin.*
H. H. Woodman, C. E., *Asst. Hwy. Engin.*
R. D. Adams, B. S. in C. E., *Jr. Hwy. Engin.*
N. B. Baloff, B. S. in C. E., *Jr. Hwy. Engin.*
L. L. Clark, B. S. in C. E., *Jr. Hwy. Engin.*
H. L. Clausen, B. C. E., *Jr. Hwy. Engin.*
S. F. Coffman, jr., B. S. in C. E., *Jr. Hwy. Engin.*
G. B. Criteser, B. S. in C. E., *Jr. Hwy. Engin.*
B. L. Giusto, B. S. in C. E., *Jr. Hwy. Engin.*
W. A. Grondahl, A. B., *Jr. Hwy. Engin.*
H. T. Gunderson, B. S. in C. E., *Jr. Hwy. Engin.*
L. S. Hedgpeth, B. S. in C. E., *Jr. Hwy. Engin.*
F. M. Johnson, B. S. in C. E., *Jr. Hwy. Engin.*
R. E. Jorgensen, B. S. in C. E., *Jr. Hwy. Engin.*
H. F. LaGrone, B. S. in C. E., *Jr. Hwy. Engin.*
W. J. Liddle, B. S. in C. E., *Jr. Hwy. Engin.*
Jack Mage, B. S. in C. E., *Jr. Hwy. Engin.*
K. Moskowitz, B. S. in C. E., *Jr. Hwy. Engin.*
A. P. Simatovich, A. B. in E., *Jr. Hwy. Engin.*
E. E. Stewart, B. S. in C. E., *Jr. Hwy. Engin.*
J. E. Wood, B. S. in C. E., *Jr. Hwy. Engin.*
J. E. Applegate, B. S. in C. E., *Asst. Hwy. Engin.*

District No. 3 (Hdqrs., Denver, Colo.):

J. A. Elliott, C. E., *Dist. Engin. in charge.*
Colorado—Denver (hdqrs. for dist.):
J. A. Elliott, C. E., *Dist. Engin.*
A. V. Williamson, *Sr. Hwy. Engin.*
L. F. Copeland, B. S. in C. E., *Sr. Hwy. Bridge Engin.*
R. A. Klein, Ph. B. in C. E., *Sr. Hwy. Design Engin.*
C. E. Learned, B. S. in C. E., *Sr. Hwy. Engin.*
C. F. Capes, *Hwy. Engin.*
R. S. Corlew, *Hwy. Engin.*
W. H. Curwen, B. S. in C. E., *Hwy. Engin.*
J. D. Slye, M. S., *Hwy. Engin.*
L. A. Hamilton, *Assoc. Hwy. Engin.*
R. W. James, C. E., *Assoc. Hwy. Bridge Engin.*
W. M. Jeffrey, B. S. in C. E., *Assoc. Hwy. Engin.*
R. C. Jones, *Assoc. Hwy. Engin.*
W. D. Ross, C. E., *Assoc. Hwy. Engin.*
J. E. Williams, B. S. in C. E., *Assoc. Hwy. Engin.*
R. P. Agnew, B. S. in C. E., *Asst. Hwy. Engin.*
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P. A. Bean, B. S. in C. E., *Asst. Hwy. Engin.*
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H. E. Dalton, B. S. in A. E., *Asst. Hwy. Engin.*
R. W. Darling, *Asst. Hwy. Engin.*
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W. L. Lafferty, *Asst. Hwy. Engin.*
R. T. Turner, B. S. in C. E., *Asst. Hwy. Engr.*
S. A. Wallace, *Asst. Hwy. Engin.*
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Thomas K. Morris, B. S., *Agron.*
Paul Taylor Gillett, B. S., *For.*
E. Roy Keller, M. S., *Assoc. Agron.*
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Rosson M. Quertermous, B. S., *Asst. Agr. Engin.*
C. E. Hunnicutt, *Jr. Ext. Agt.*
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Arthur H. Joel, B. S., *Chief Soil Expert.*
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Dorus C. Bascom, B. S., *Assoc. Ext. Spec.*
Frank Kimball, B. S., *Agr. Engin.*
Ralph H. Musser, B. S., *Eros. Spec.*
James A. Peck, E. M., *Agr. Engin.*
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Paul C. Wiechmann, *Asst. Project Mgr.*
William F. Watkins, M. S., *Chief Agron.*
Russell W. Oberlin, B. S., *Chief Agr. Engin.*
Coe Pritchett, B. S., *Chief of Range Mgt.*
William DeYoung, M. S., *Eros. Spec.*
Roy Thomas Kirkpatrick, A. M., B. S., *Agron.*
Harold Warner LeMert, B. S., *Agr. Engin.*
John R. Maher, B. S., *Agr. Engin.*
Frank H. Mendell, M. S., *Agron.*
Roy E. Bennett, B. S., *Soil Expert.*
Roy L. Lovvorn, M. S., *Agron.*
Forrest G. Bell, M. S., *Asst. For.*
Merle W. Bloom, M. S., *Asst. Agr. Engin.*
William J. B. Boatman, M. S., *Asst. Agron.*
Mark H. Brown, M. S., *Asst. Soil Expert.*
Elmer F. Clark, M. S., *Asst. Agr. Engin.*
Marion W. Clark, B. S., *Asst. Erosion, Spec.*
Wallace H. Cruikshank, B. S., *Asst. Agron.*
Owen McCammon, B. S., *Asst. Agron.*
Kyle R. Peterson, B. S., *Asst. Agron.*
Lawrence H. Schoenleber, M. S., *Asst. Agr. Engin.*
William C. Shotwell, B. S., A. M., *Asst. Agron.*
Dwight D. Smith, B. S., A. M., *Asst. Agr. Engin.*
E. E. Smith, Jr., B. S., A. M., *Asst. Agron.*
Dale E. Springer, B. S., A. M., *Asst. Agr. Engin.*

Missouri—Bethany—Continued.
Paul B. Strickler, *Asst. Agron.*
Paul Jacobson, B. S., *Asst. Agr. Engin.*
Irving L. Christensen, M. S., *Asst. For.*
Cecil N. Davis, B. S., A. M., *Asst. For.*
W. H. Lathrop, B. J., *Asst. Ext. Agt.*
John A. Tyson, B. S., *Asst. Agron.*
Sidney C. Buckeloo, B. S., *Jr. Agr. Engin.*
Roy A. Erickson, B. S., *Jr. Soil Expert.*
Charles J. Fox., B. S., *Jr. Soil Expert.*
W. Lowell Gee, *Jr. Ext. Agt.*
Maurice E. Heath, B. S., *Jr. Agron.*
Frederick R. Hicks, B. S., *Jr. Agron.*
Ralph Edward Knight, *Jr. Agr. Engin.*
Carl J. Lowry, B. S., *Jr. Agr. Engin.*
George C. Merkel, *Jr. Agr. Engin.*
Morris E. Mortimore, A. B., M. S., Ph. D., *Jr. Erosion Spec.*
Oren R. Neal, M. S., *Jr. Erosion Spec.*
Dallas E. Perfect, B. S., *Jr. Soil Expert.*
Harold M. Smith, A. A. B. S., *Jr. Soil Expert.*
Thomas R. Smith, B. S., *Jr. Soil Expert.*
Raymond J. Tillotson, M. S., *Jr. Agr. Engin.*
Ernest M. Wagner, B. S., *Jr. Agron.*
Robert G. White, B. S., *Jr. Agr. Engin.*
Emerson Wolfe, B. S., *Jr. Agr. Engin.*
Dale A. Shadle, B. S., *Jr. Soil Expert.*
Nebraska—Albion:
Richard L. von Trebra, B. S., *Project Mgr.*
Eldon B. Engle, A. B., M. S., *Chief Soil Expert.*
William H. Robinson, B. S., *Chief Agron.*
Harvey G. Bobst, B. S., *Assoc. Agr. Engin.*
Clifford C. Girardot, M. S., *Agron.*
R. R. Hinde, B. S., *Agron.*
George W. Hood, M. S., *Agr. Engin.*
Cecil W. Means, M. S., *Agron.*
Robin N. Jobe, *Asst. Agr. Engin.*
Arthur R. Marquardt, M. S., *Asst. Soil Technol.*
Harry C. Mortlock, B. S., *Asst. Soil Technol.*
Warner B. Small, *Asst. Agr. Engin.*
Basil Abaskin, M. S., *Asst. Soil Expert.*
George W. Harmon, M. S., *Asst. Agron.*
James Struve, B. S., *Asst. Soil Expert.*
Harlan S. Bollman, B. S., *Jr. Agron.*
Irvin D. Wright, B. S., *Jr. Agr. Engin.*
New Jersey—New Brunswick:
Linwood L. Lee, D. S., *Project Mgr.*
Howard Mason, B. S., *Chief Erosion Spec.*
Richard R. Pope, B. S., *Chief Agr. Engin.*
Arnold J. Baur, B. S., Ph. D., *Chief Soil Expert.*
Edward E. Evaul, M. S., Ph. D., *Chief Agron.*
Joseph B. Pike, Jr., M. F., *Chief For.*
Alfred C. Hawkins, B. S., A. M., Ph. D., *Soil Expert.*
Harry B. Holcombe, B. S., *Eros. Spec.*
Ralph M. Hubbard, B. S., *Agron.*
James M. Little, E. M., *Agr. Engin.*
Eugene I. Voelker, A. B., *Jr. Agr. Engin.*
J. William Bellis, *Asst. Conserv. Spec.*
William G. Colby, B. S., *Asst. Agron.*
Gail W. Eley, *Asst. Agr. Engin.*
John B. Lucke, B. S., A. M., Ph. D., *Asst. Soil Expert.*
Berry L. Marshall, B. S., *Asst. Eros. Spec.*
Gasper A. Loughridge, A. B., *Asst. Agron.*
Granville A. Quakenbush, A. B., *Asst. Soil Expert.*
Richard S. Rosenfels, A. B., Ph. D., *Asst. Soil Expert.*
Theodore P. Vail, *Asst. Agril. Engin.*
John S. Vhay, B. S., A. M., Ph. D., *Asst. Soil Expert.*
Kenneth P. Wilson, A. M., *Asst. Soil Expert.*
Joaquin F. Marrero, M. S., Ph. D., *Asst. Agron.*
Neal Munch, B. S., *Asst. Agron.*
Leo J. Nocenti, B. S., *Asst. Agron.*
Chester E. Rhines, B. S., Ph. D., *Asst. Agron.*
Edwin W. Eden, Jr., B. S., *Jr. Agr. Engin.*
Axel Vigge Granholm, C. E., *Jr. Agr. Engin.*
William E. Roever, M. S., *Jr. Agron.*
Sam Smith, Jr. B. S., *Jr. Agr. Engin.*
Walter E. Stager, B. S., *Jr. Eros. Spec.*
Eugene I. Voelker, A. B., *Jr. Agr. Engin.*
Joseph H. Winsor, B. S., *Jr. Soil Expert.*
Peter E. Wolfe, B. S., *Jr. Eros. Spec.*
New Mexico:
Albuquerque—Navajo:
Hugh G. Calkins, B. S., *Reg. Conserv.*
Floyd D. Matthews, *Asst. Project. Mgr.*
Eastburn R. Smith, A. B., M. F., *Asst. Reg. Dir.*

New Mexico—Continued.
Albuquerque—Navajo—Continued.
William G. McGinnies, B. S., Ph. D., *Asst. Reg. Dir.*
Robert V. Boyle, *Chief of Range Mgt.*
James G. Hamilton, B. S., *Chief Agron.*
Barney R. Hodgin, *Chief Agr. Engin.*
Mark E. Musgrave, *Chief of Range Studies.*
Arthur T. Strahorn, B. S., *Chief Soil Expert.*
Richard Boke, *Spec. Asst.*
Eric Johnson, *Asst. Chief of Range Mgt.*
William H. Danley, *Range Exam.*
James W. Deppa, B. S., *Erosion Spec.*
Arthur Fife, M. S., *Agr. Engin.*
Albert Freitag, B. S., *Agr. Engin.*
Evan L. Flory, B. S., A. M., *Research Asst.*
Tracy L. Heggie, *Range Exam.*
Harley J. Helm, B. S., *Range Exam.*
Joseph Howell, Jr., B. S., *Range Exam.*
Donald S. Hubbell, M. S., Ph. D., *Research Asst.*
Marion R. Isaacson, M. S., *Soil Expert.*
Klinger, Bruno S., M. A., *Research Asst.*
Jesse N. Mann, M. A., *Assoc. Range Exam.*
Francis A. Johnson, M. S., *Assoc. Soil Conserv.*
Clyde Oakley, B. S., *Range Exam.*
Catherine V. Sturges, A. B., *Ext. Agt.*
Warren V. Turner, B. S., *Research Asst.*
John O. Woods, B. S., *Agron.*
Ernest A. Nieschmidt, *Soil Expert.*
Kenneth P. Blair, A. B., *Chief Clerk.*
Gilbert P. T. Howell, *Agr. Engin.*
Richard W. Angle, *Asst. Agr. Engin.*
John P. Bewley, B. S., *Asst. Soil Expert.*
Richard C. Clifford, *Asst. Agr. Engin.*
Dolphus G. Craig, B. S., *Asst. Agron.*
Edwin K. Douglas, B. S., *Asst. Range Exam.*
Eugene D. Eaton, B. S., *Asst. Biol.*
Robert R. Finley, B. S., *Asst. Soil Expert.*
Fay Miller Griswold, *Asst. Agr. Engin.*
Grover N. King, *Asst. Range Agt.*
George A. Lawrence, B. S., *Asst. Agr. Engin.*
Richard H. Lovald, B. S., *Asst. Soil Expert.*
Charles J. McCash, B. S., *Asst. Agr. Engin.*
Thomas L. Parmelee, B. S., *Asst. Range Exam.*
Graham S. Quate, *Asst. Agr. Engin.*
Parry Reiche, B. S., Ph. D., *Asst. in Research.*
Lowell R. Rich, B. S., *Asst. Agr. Engin.*
Dale R. Schockley, B. S., *Asst. Agr. Engin.*
Courtland P. Starr, B. S., *Asst. Range Exam.*
Herman L. Thomas, M. S., *Asst. Soil Expert.*
Ray Walker, B. S., *Asst. Agron.*
J. P. Worthington, *Asst. Agr. Engin.*
Herbert W. Yeo, Ph. B., *Asst. Agr. Engin.*
David A. Rogers, *Asst. Agron.*
Edward H. Rott, Jr., A. M., *Asst. in Research.*
William H. Berry, B. S., *Prin. Engin. Aid.*
E. Reeseman Fryer, *Asst. Eros. Spec.*
Glenn P. Kiff, *Asst. Agr. Engin.*
Harrison J. Maker, B. S., *Asst. Soil Expert.*
Gaylord M. Volk, M. S., *Asst. Soil Expert.*
Emmett Kellam, *Jr. Range Exam.*
John Russell Latta, B. S., *Jr. Soil Expert.*
C. Wallace Miller, *Jr. Soil Expert.*
Frank Robinson, B. S., *Jr. Agr. Engin.*
Henry Harry Smith, *Jr. Range Exam.*
Hillard L. Smith, B. S., *Jr. Soil Expert.*
Ralph O. Baird, *Sr. Agr. Aid (Agron.)*
Daniel G. Anderson, *Jr. Range Exam.*
Walter R. McKinney, *Jr. Range Exam.*
Earl F. Dosch, B. S., A. M., *Jr. Research Asst.*
Albuquerque—Rio Grande:
John W. Jourdan, B. S., C. E., *Sr. Agr. Engin.*
Eshref Shevky, Ph. D., *Sr. Soil Conserv.*
Herbert C. Stewart, B. S., *Chief Agron.*
Harold W. Hurd, B. S., *Agr. Engin.*
Harry E. Jones, *Agr. Engin.*
John Graham Koogler, *Agron.*
L. Dudley Love, M. S., Ph. D., *Research Asst.*
Thomas H. McCarthy, B.S., *Assoc. Agr. Engin.*
Cyril J. Sauser, B. S., *Assoc. Agr. Engin.*
Vance Rogers, A. B., *Assoc. Soil Conserv.*
C. W. Wright, *Asst. Agr. Engin.*
Lloyd H. Fisher, A. B., *Asst. Soil Conserv.*
Ernest E. Maes, A. B., *Asst. Soil Conserv.*
Truman F. Peebles, *Asst. Soil Conserv.*
Ralph M. Fish, B. S., *Asst. Range Exam.*
Andrew J. Gordon, *Asst. Range Exam.*
R. G. Howard, B. S., *Prin. Agr. Aid.*
William F. Colt, B. S., *Jr. Range Agt.*
Vincent May Lee, B. S., *Jr. Range Agt.*

New Mexico—Continued.
Albuquerque—Rio Grande—Continued.
Ernest R. Wellington, B. S., *Jr. Biol.*
R. W. Phillips, B. S., *Sr. Drft.*
David V. Harris, A. B., M. S., *Jr. Soil Surv.*
Roger D. Headley, B. S., *Jr. Soil Surv.*
Elof B. Jensen, *Jr. Agr. Engin.*
Floyd Larson, A. B., *Jr. Range Exam.*
John D. Redd, B. S., *Jr. Range Exam.*
New York—Bath:
Frank B. Howe, A. B., M. S., *Project Mgr—Ithaca.*
Harold F. Eaton, B. S., *Soil Conserv.*
John Lamb, Jr., M. S., Ph. D., *Soil Expert—Ithaca.*
Henry R. Adams, B. S., *Soil Expert.*
Jesse A. DeFrance, M. S., Ph. D., *Agron.*
Stanley S. Greene, M. S., *Ext. Agt.*
Harold W. Hobbs, M. S., *Agr. Engin.*
Weston Donehower, M. S., *Asst. For.*
William E. Teute, C. E., *Asst. Agr. Engin.*
Norman J. Curtis, M. S., Ph. D., *Asst. in Research.*
Elroy H. Gross, B. S., *Asst. For.*
Montague Howard, Jr., B. S., *Asst. Soil Expert.*
Harold C. Knoblauch, M. S., *Asst. in Research—Ithaca.*
George C. Moore, B. S., Ph. D., *Asst. Agron.*
Tuure A. Pasto, B. S., *Asst. in Research—Ithaca.*
William W. Reitz, B. S., Ph. D., *Asst. Soil Expert.*
Reuben R. Zile, B. S., *Asst. For.*
Joel W. Elliott, M. S., Ph. D., *Asst. Soil Expert—Ithaca.*
J. F. Sally, C. E., *Jr. Agr. Engin.*
North Carolina:
Greensboro:
John R. Herman, B. S., *Asst. Agron.*
Eugene C. Jernigan, B. S., *Asst. Erosion Spec.*
Peyton H. Massey, B. S., *Asst. Ext. Agt.*
William C. Warner, B. S., *Asst. Erosion Spec.*
William A. Weld, B. S., *Asst. Agr. Engin.*
Bernard J. Huckenpahler, M. S., *Asst. For.*
Charles R. Lamb, B. S., *Asst. Agron.*
Olin C. Lewis, M. S., *Asst. Soil Expert.*
High Point:
J. H. Stallings, M. S., Ph. D., *Project Mgr.*
Charles H. Flory, B. F., *Chief For.*
William D. Lee, B. S., *Chief Soil Expert.*
Ross O. Stevens, M. S., *For.*
A. H. Veazey, B. S., *Ext. Agt.*
Charles C. Abernathy, B. S., *Agron.*
Harold P. Hagge, A. B., M. S., *For.*
William Guy Kincannon, B. S., *Eros. Spec.*
Theodore Carroll Maurer, M. S., *Agron.*
Donald Christy, B. S., *Asst. Agr. Engin.*
A. C. Metz, A. B., *Asst. Ext. Agt.*
James A. Muncey, B. S., *Asst. Agr. Engin.*
Harry E. Newland, B. S., *Asst. For.*
R. Clyde Pleasants, B. S., *Asst. Soil Expert.*
Edo A. Schlaudt, B. S., *Asst. Agr. Engin.*
Hester M. Stott, B. S., *Asst. Erosion Spec.*
Joseph E. Michael, B. S., *Asst. Agron.*
Woodrow M. Brown, B. S., *Jr. Agr. Engin.*
William F. Freeman, B. E., *Asst. Agr. Engin.*
James M. Parks, B. S., *Jr. Agron.*
Henry R. Tribou, B. S., *Jr. Agr. Engin.*
John Baxter Watts, B. S., *Jr. Soil Expert.*
Ohio—Zanesville:
John S. Cutler, M. S., *Reg. Conserv.*
Kenneth Welton, B. S., *Asst. Project Mgr.*
Earl G. Johnson, M. S., *Chief Agr. Engin.*
Alfred H. Paschall, M. S., *Chief Soil Expert.*
Joseph A. Gibbs, M. S., *Chief For.*
Harold C. Hebb, B. S., *Chief For.*
Gail T. Abbott, A. B., *Eros. Spec.*
Thomas C. Kennard, B. S., *Eros. Spec.*
William B. Oliver, *Soil Expert.*
John Edwin Bradfute, A. B., B. S., *Assoc. Soil Conserv.*
Edward M. Davis, C. E., *Agr. Engin.*
Ernest H. Reed, M. S., *Agron.*
Arthur R. Sanford, M. S., *For.*
Robert F. Copple, M. S., *Agron.*
Robert B. Hickok, B. S., *Asst. Agr. Engin.*
Curtis Reed Hill, B. S., *Asst. Ext. Agt.*
James L. Hosterman, B. S., *Asst. Soil Expert.*
Leo R. Jones, B. S., *Asst. Soil Expert.*
Cyril W. Lauritzen, M. S., Ph. D., *Asst. Soil Expert.*
Herbert T. Marshall, B. S., *Asst. Ext. Agt.*

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John L. Shriver, B. S., *Asst. Ext. Agt.*
Ward L. Studor, B. S., A. M., *Asst. Ext. Agt.*
Glenn D. Bedell, B. S., *Asst. Soil Expert.*
Clarence Engberg, M. S., *Asst. Soil Expert.*
Franklin W. Nichols, B. S., *Asst. For.*
Earl R. Shade, B. S., A. M., *Asst. Soil Expert.*
A. H. Simerson, B. S., *Asst. Soil Expert.*
William L. Cook, B. S., *Jr. Soil Expert.*
Francis R. Dreibelbis, M. S., *Jr. Soil Expert.*
Anthony J. Ernstes, B. S., *Jr. Soil Expert.*
Robert W. Gerdel, M. S., *Jr. Soil Expert.*
Helmut Kohnke, M. S., Ph. D., *Jr. Soil Expert.*
Bertrand X. Landrine, *Jr. Agr. Engin.*
Koloman Lehotsky, Ph. D., *Jr. For.*
George O. Townsend, B. S., *Jr. Soil Expert.*
Paul J. Zwerman, B. S., *Jr. Soil Expert.*
John W. Sites, B. S., *Jr. Hort.*
Ralph H. Bond, B. S., *Jr. Soil Expert.*
Shailer S. Philbrick, A. B., Ph. D., *Jr. Soil Expert.*
J. Leslie Yohn, B. S., *Jr. Soil Expert.*
Lawrence Hicks, M. S., Ph. D., *For.*
Oklahoma:
Muskogee:
Walter H. Walker, B. S., *Chief Erosion Spec.*
Harry M. Wallace, Jr., *Chief Agr. Engin.*
Stillwater:
Nathaniel E. Winters, M. S., Ph. D., *Project Mgr.*
Earl W. Smith, B. S., *Asst. Project Mgr.*
Henry E. Bergschneider, B. S., *Chief Agr. Engin.*
Earl P. Weston, A. B., M. S., *Chief Erosion Spec.*
Charles A. Hollopeter, B. S., *Chief Soil Expert.*
Irvin D. Nicholas, B. S., *Chief Agron.*
Ray E. Penn, M. S., *Chief of Range Mgt.*
J. Fred Latham, *Asst. Agr. Engin.*
Anton L. Luxa, *Asst. Agr. Engin.*
Clifford R. Carberry, B. S., *Jr. Agron.*
Ole C. Cooper, Sr., *Jr. Agron.*
William Lincoln Giles, B. S., *Jr. Agron.*
Donald H. Woodyard, *Sr. Drft.*
Pennsylvania:
Indiana:
Austin L. Patrick, M. S., Ph. D., *Reg. Conserv.*
John A. Brenneman, B. S., *Chief Erosion Spec.*
John P. Jones, M. S., Ph. D., *Chief Agron.*
Arthur C. McIntyre, M. S., *Chief For.*
J. Gordon Steele, M. S., Ph. D., *Chief Soil Expert.*
John T. Bregger, M. S., *Assoc. Soil Conserv.*
Harry C. Diener, B. S., Ph. D., *Assoc. Soil Conserv.*
Ralph A. Ross, B. S., *Agron.*
Vern T. Struble, *Eros. Spec.*
William R. Van Dersal, M. S., Ph. D., *For.*
Alvin C. Watson, M. S., *Asst. Agr. Engin.*
Harry O. Kimmel, B. S., *Ext. Agt.*
William S. Wetzel, B. S., *Ext. Agt.*
Frank G. Bamer, B. S., *Asst. Soil Conserv.*
William E. Brown, B. S., *Asst. For.*
Ernest B. Coffman, B. S., *Asst. Agron.*
George B. Hunter, B. S., *Asst. Eros. Spec.*
Chester M. Kerns, B. S., *Asst. For.*
Frank G. Loughry, B. S., *Asst. Soil Expert.*
Elmer C. Pifer, M. S., *Asst. Agron.*
David H. Walter, M. S., *Asst. Eros. Spec.*
Walter M. Gilbert, B. S., *Asst. Soil Conserv.*
Waldo E. Bell, B. S., *Jr. Agr. Engin.*
Robert K. Craver, B. S., *Jr. Soil Expert.*
Donald T. Dinsmore, B. S., *Jr. For.*
Lester E. Espy, B. S., *Jr. Soil Expert.*
Melvin Espy, B. S., *Jr. Agr. Engin.*
W. Theodore Hebel, B. S., *Jr. Eros. Spec.*
Durell E. Hess, B. S., *Jr. For.*
Ralph W. Hunter, *Jr. Agron.*
Earl B. Kinter, *Jr. Soil Conserv.*
W. Merrill Kunkle, B. S., *Jr. Soil Surv.*
Kenneth B. Mallery, B. S., *Jr. Eros. Spec.*
R. Gerald Mowrey, B. S., *Jr. Soil Expert.*
William J. McNitt, B. S., *Jr. Eros. Spec.*
John J. Noll, B. S., *Jr. Soil Expert.*
Eugene L. Phillips, *Jr. Agr. Engin.*
Arthur T. Roth, B. S., *Jr. Agr. Engin.*
N. Paul Tedrow, B. S., *Jr. Soil Expert.*
Philip J. Walter, B. S., *Jr. For.*
James M. Wise, B. S., *Jr. Soil Expert.*

Pennsylvania—Continued.
State College:
Nolan Fern Farris, M. S., Ph. D., *Asst. Agron.*
Lewis R. Good, B. S., *Jr. Agron.*
Richard S. Long, B. S., *Jr. Soil Expert.*
Robert J. Reese, B. S., *Jr. Agr. Engin.*
South Carolina:
Rock Hill:
A. F. Ruff, C. P. A., *Asst. Project Mgr.*
Hugh A. Brown, B. S., *Erosion Spec.*
Kitt R. McMaster, *Ext. Agt.*
John M. Downing, B. S., *Asst. Agr. Engin.*
Frank T. Ritchie, Jr., B. S., *Asst. Soil Expert.*
Martin B. Brissie, B. S., *Asst. Eros. Spec.*
Edwin A. Burgess, B. S., *Asst. Soil Expert.*
John Fry Cole, B. S., *Asst. For.*
Spartanburg:
Thomas S. Buie, M. S., Ph. D., *Reg. Conserv.*
John S. Barnes, M. S., *Chief For.*
Ernest Carnes, B. S., *Chief Erosion Spec.*
Sherman Lear Jeffords, B. S., *Chief Agron.*
Marion Wayne Lowry, B. S., A. M., *Chief Soil Expert.*
John T. McAlister, B. S., *Chief Agr. Engin.*
J. P. Fielder, *Ext. Agt.*
Ruben C. Johnson, B. S., *Agr. Engin.*
Abel H. Chapman, M. S., *Eros. Spec.*
R. W. Adams, B. S., *Asst. For.*
J. M. Dean, *Asst. Eros. Spec.*
Henry A. Dyer, *Asst. Agr. Engin.*
Charles B. Gay, B. S., *Asst. Soil Technol.*
William A. Mason, Jr., B. S., *Asst. Erosion Spec.*
S. J. Watson, B. S., *Asst. Agron.*
James B. Wood, B. S., *Asst. Erosion Spec.*
John M. Davis, B. S., A. M., *Asst. Erosion Spec.*
L. M. Glymph, Jr., B. S., *Asst. Agr. Engin.*
George A. Meares, B. S., *Asst. Agr. Engin.*
H. J. Dowdle, B. S., *Asst. Erosion Spec.*
Thomas M. Bailey, *Sr. Engin. Drft.*
James W. Burdette, B. S., *Jr. Erosion Spec.*
P. B. Chappell, B. S., *Jr. Agr. Engin.*
Henry A. Compton, B. S., *Jr. For.*
Norman E. Sands, B. S., *Jr. For.*
Fred A. Thompson, B. S., *Jr. Agr. Engin.*
South Dakota—Huron:
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Edward H. Aicher, D. V. S., *Chief Agron.*
Paul Emerson, M. S., Ph. D., *Chief Soil Expert.*
Harold E. Engstrom, M. S., *Chief Agr. Engin.*
Joseph Gladden Hutton, M. S., *Chief Erosion Spec.*
Ira N. Chapman, M. S., *Soil Conserv.*
Lionel C. Tschudy, B. S., *Agr. Engin.*
Carl L. Euglehorn, M. S., *Soil Expert.*
Darl M. Hall, M. S., Ph. D., *Agron.*
Harold E. Tower, M. S., *Agron.*
O. Leon Anderson, B. S., *Asst. Agron.*
Glenn A. Avery, B. S., *Asst. Soil Expert.*
Adrian C. Fox, M. S., *Asst. For.*
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